

REVUE DE PRESSE

2024



Raised to be wild

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EVENTS

Monaco Rendezvous: Smart and Sustainable Marinas 2024

Building on the success of past events, the Monaco Smart and Sustainable Marina Rendezvous, held at the Yacht Club de Monaco in September, brought together nearly 250 important players in the marina sector to explore how technology, finance and architecture can revolutionise marina operations, sustainability and the user experience.



On behalf of Alcudiamar Marina in Mallorca, Mar Vera Vives accepts the award for the most sustainable and intelligent marina.

Across two days of debates and networking, this year's event showcased innovative solutions for managing marinas, practical ways to secure investment, and expert input on how to design marinas with environmental sustainability in mind.

In a session that explored optimising marina experiences through technology, moderated by Gino Battaglia, president of the Italian Yacht Masters Association, industry leaders discussed how technology is becoming a crucial component in improving marina management and user experience.

Captain Kelly J Gordon said practical tools like smart apps for dockage arrangements, fuel management and crew provisioning would be a great help to boaters. Such tools

could reduce the reliance on informal communication channels like WhatsApp by consolidating essential information in one platform. She suggested that a single portal to guide boaters on everything from entrance requirements in the destination country to the local weather would be invaluable.

Maria Vera Vives, head of expansion and sustainable development at Spain's Alcudiamar Marina, highlighted how

technology is already being used in marinas to monitor energy consumption and water quality. Providing real-time data systems like these to help captains avoid unexpected bills and mistakes is essential for better resource management, she believes.

Stavros Katsikadis, president of the Greek Marinas Association, agrees, and added that it is important to source energy that is renewable, especially as the demand for power from megayachts and superyachts continues to grow. Sustainability is key, he said: "I like to use the Greek word, *αειβίος*, which means eternal in Greek, everything we do, from the design to the building, we try to do it forever. This must be a law for all marinas."

Randy Durband, CEO of South Korea's Global Sustainable Tourism Council argued that before adopting advanced technologies, marinas should focus on developing robust data collection and analysis systems. Sharing data is essential for sustainable management and improving operational efficiency, he said.

Financial challenges

A second session focused on the financial challenges of marina development and the role of sustainability in securing investment was moderated by Pascale Ferry, deputy director at Monaco Statistics. Investors are increasingly prioritising projects that incorporate sustainability from the outset, according to Klaus Peters, CEO of Brazil's InterMarinas. He said certification is a key factor, with higher levels of sustainability certification translating into tax incentives and better investment opportunities.

Property/real estate



Arrogant Architects' modular floating marina design 'Modularity, Responsibility, Mediterranean' won the Coup de Coeur award.

government regulators. He noted that marinas have transitioned from being purely nautical businesses to becoming hubs of hospitality that welcome not only boaters but the broader public as well.

"You go [to a marina] to have a good time, you don't necessarily have to have a boat to access them, you can access them by land, too," Siches said. "There is a new social component in the marina that was not present 20 years ago."

Janna Bystrykh, head of the architecture programme at the

New Zealand innovator and architect, Henry Glogau, said architects must deeply understand the local context to design marinas that are environmentally and culturally sensitive. This approach is especially important when adapting existing marinas to climate change or enhancing biodiversity.

Smart and Sustainable Awards

The event culminated in the presentation of the Smart and Sustainable Marina Awards 2024. The 744-berth Alcudiamar



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Marina in Mallorca, Spain won the category for most sustainable and intelligent marina. Mar Vera Vives was delighted to accept the award on behalf of the marina. "It has been a real pleasure to participate in these two days of intense networking and fellowship with such high-level professionals in the sector," she said. "This award is a recognition of the hard work of the entire Alcudiamar team over many years, so I also thank each of them and the event organisers for this honour."

In the innovation category, Clean Sea Solution won the start-up prize for its project aimed at reducing plastic waste in marinas and the ocean, while Ecocean won the scale-up prize for its strong involvement with biodiversity and scientifically proven help in regenerating life in marinas.

Germany's Structurlab won in the architecture category for its lotus flower-inspired design of modular platforms for quick assembly and reconfiguration. Using recycled materials, solar power and rainwater collection systems, the design minimises ecological disruption while adapting to seasonal visitor flows. Its eco-friendly anchoring methods better protect the underwater ecosystem, while allowing larger boats to moor outside no-boat zones.

Bulgaria's Arrogant Architects was the public's favourite, winning the 'Coup de Coeur' award for its modular floating marina design project called 'Modularity,

Responsibility, Mediterranean'. The design includes the installation of artificial nurseries, thermal insulation improvements, seawater heat pumps and the use of prefabricated local materials to reduce CO₂ emissions.

À La Ciotat, Ecocean veut donner un coup de pouce pour repeupler la Méditerranée avec un procédé novateur

LaProvence.

À LA UNE EN DIRECT **RÉGION** POLITIQUE FAITS DIVERS OM SPORTS ECONOMIE CULTURE SORTIES JEUX-CONCOURS SHOPPING Q

À La Ciotat, Ecocean veut donner un coup de pouce pour repeupler la Méditerranée avec un procédé novateur

À proximité des Chantiers navals, l'entreprise Ecocean développe un procédé pour restaurer la biodiversité des fonds côtiers. Un millier de poissons sortis de leur ferme aquacole ont été relâchés en mer selon un processus bien particulier.

Votre mission si vous l'acceptez : repeupler la Méditerranée. Acceptée pour l'équipe d'Ecocean qui travaille avec la famille Carrodano à La Ciotat. "Enfin, on n'a pas la prétention de la repeupler, mais d'au moins lui donner un petit coup de pouce", tempèrent Gérard Carrodano, patron pêcheur, et Antony Fortin, aquariologiste et plongeur professionnel. Ces passionnés de la mer travaillent main dans la main dans le cadre du projet Casciomar pour Cassis, La Ciotat et Marseille.

Lancé en 2016, il s'inscrit dans le contrat de baie de la métropole marseillaise pour stimuler la biodiversité des fonds côtiers. Et ça, c'est clairement l'essence de la société Ecocean, créée en 2008 à Montpellier, avec une antenne au grand port maritime de Marseille. Le premier procédé que son fondateur, Gilles Lecaillon, a développé s'appelle Biorestore. Et c'est celui que l'on a découvert cette semaine, directement en mer. Immersion.

1 300 poissons juvéniles relâchés

Laure Lailheugue, Étienne Abadie et Antony Fortin, vêtus d'un t-shirt siglé "Ecocean" arrivent aux cabanons de la famille de pêcheurs ciotadens, les Carrodano, tout au bout des **Chantiers navals**, à bord de camionnettes remplies de glacières. Pas pour distribuer des glaces aux employés, même si on se serait cru en été ce matin-là. À l'intérieur se trouvent 1 300 poissons juvéniles, qui ne dépassent pas les 5 centimètres. "Il y a une dizaine d'espèces. Des loups, des dorades roses, des pageots, des sans cornes et à tête noire, des rascasses, des chapons...", précise Gérard Carrodano.



Le port du futur, c'est à Dunkerque qu'on en discute

Aujourd'hui et demain, Dunkerque accueille pour la première fois les « Assises port du futur », un événement pour les experts du secteur. Et pour lequel le Grand port maritime de Dunkerque a logiquement candidaté pour l'accueillir, à un moment clé de l'histoire de la cité de Jean Bart.

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DUNKERQUE.

1 Les « Assises du port du futur », c'est quoi ?

C'est un événement national qui rassemble les professionnels du secteur portuaire pour échanger sur les enjeux du moment, les sujets d'actualité, la compétitivité des ports, les évolutions d'infrastructures... L'événement, qui avait eu lieu l'an dernier à Lorient, en Bretagne, en est à sa 14^e édition. Une première pour la ville de Dunkerque qui arrive à point nommé. Alors que l'industrie vit un tournant, et que toutes les infrastructures logistiques vont être amenées à s'adapter, le Grand port maritime de Dunkerque sera le siège de ces discussions.

2 De quoi va-t-on y parler ?

L'organisateur de l'événement, le Cerema, le dit : « Le port de Dunkerque est assez emblématique de ce qu'on veut montrer. » En effet, cette année, une thématique ressort très clairement : l'environnement et le verdissement du secteur. Les thématiques sélectionnées pour les tables rondes concernent par exemple les corridors verts, les



Le Grand port maritime de Dunkerque veut se tourner vers des énergies moins carbonées, au cœur des échanges des deux jours à venir. PHOTO FLORENT MOREAU

énergies et carburants alternatifs dans le transport maritime, ou encore la façon dont les industries décarbonées attirent les talents de demain.

Et alors que la vallée de la batterie se concrétise en ce moment autour de Dunkerque, la logistique de ces usines, des maté-

riaux et de la commercialisation, passera logiquement par le port.

3 Pourquoi c'est important pour le port de Dunkerque

C'est évidemment une source de visibilité importante pour le Grand port maritime de

Dunkerque, et l'occasion d'échanger dans le but de rester au fait des évolutions du secteur et compétitif face à une concurrence nationale et internationale. Le président du Grand Port de Dunkerque, Maurice Georges, voit dans cet événement, outre un moyen de recevoir un coup

DES ENTREPRISES INNOVANTES RÉCOMPENSÉES

Outre les tables rondes qui constitueront le cœur des « assises port du futur », l'événement sera aussi l'occasion de récompenser, cet après-midi, des entreprises innovantes dans le domaine portuaire via les Trophées de l'innovation. Parmi les candidates se trouve une entreprise basée à Dunkerque, Sofresid. Celle-ci concourt dans la catégorie concept/idée et développe une barge flottante et mobile pour avitaillement et distribution d'hydrogène, notamment pour les bateaux mais pas seulement. Une autre entreprise dont on a déjà entendu parler dans la région, à Calais plus précisément, concourra également : la société Ecocean, qui développe des nurseries pour jeunes poissons qui ne trouvent plus refuge dans les ports.

de projecteur, une opportunité de « montrer que les enjeux de décarbonation ne concernent pas que l'industrie ». ■ Les tables rondes, au Casino de Malo, sont ouvertes au public sur inscription préalable à l'adresse suivante : aurliane@lafreterie.com. Programme complet sur le site internet www.portdufutur.fr.

Le Port de Bruxelles, moteur de durabilité et d'innovation

Il a par ailleurs dû se battre pour sa ligne ferroviaire.

Dans le bureau du directeur niché dans le bâtiment Art déco magnifiquement préservé du Port de Bruxelles, Gert Van der Eeken et Florence Debrouwer déroulent une carte d'un mètre de long. Plan à l'appui, le CEO et la responsable énergie et climat nous montrent à quel point le port est vaste. Deuxième port intérieur de Belgique – après Gand – et deuxième port intérieur le plus productif d'Europe – après Bâle en Suisse –, il gère les 14 kilomètres de canaux qui traversent la Région bruxelloise.

Peu savent que le port est également responsable du niveau des eaux. En 2019, par exemple, les eaux de la Senne sont montées dangereusement vite. Le risque d'inondation des voutes était réel mais les eaux ont pu être évacuées par le canal. En d'autres termes, le canal agit comme un grand bassin d'orage. En fait, le canal de Bruxelles est composé de deux canaux, le canal de Willebroeck et le canal de Charleroi (permettant aux péniches de naviguer jusqu'à Paris), qui se rejoignent à la hauteur de la place Saintelette.

Bruxelles joue également un rôle important en matière de transbordement. La cargaison des grands navires qui empruntent l'Escaut pour se rendre à Bruxelles est transbordée sur des bateaux plus petits, qui peuvent ensuite poursuivre leur route vers Charleroi. Un petit port maritime permet par ailleurs d'accueillir de petits navires de mer dans la capitale.

Le Port de Bruxelles gère quelque 116 km² et compte environ 200 concessionnaires. Ces entreprises sont principalement actives dans la construction, la logistique et l'industrie. Par ces quatre aspects, le port de la capitale est un moteur de durabilité et d'innovation.

Deux mille camions quittent chaque jour le port, et ils devraient être encore plus nombreux à l'avenir. Les entreprises de transport du port jouent un rôle central à cet égard. Ziegler, dont la descendante de la quatrième génération, Diane Govaerts, a été élue Manager de l'Année en 2022, mise beaucoup sur la durabilité.

"Ziegler est actif à l'échelle mondiale et s'engage fortement en faveur des critères ESG (ndlr : acronyme anglais pour critères environnementaux, sociaux et de gouvernance)", explique Gert Van der Eeken. C'est l'une des entreprises portuaires qui est déjà climatiquement neutre aujourd'hui, tout comme le fournisseur de béton CCB et l'entreprise de construction De Cloedt.

Shipit Multimodal Logistics, basée à Anvers, est une entreprise plus petite qui propose un modèle innovant de logistique urbaine durable via la navigation intérieure à Bruxelles. Shipit, lauréate l'an dernier du Trends Impact Award dans la catégorie Mobilité, aide les entreprises de construction à fournir le matériel nécessaire aux nombreux grands chantiers de la capitale de la manière la plus efficace possible via le canal.

"On pourrait dire que Shipit a en quelque sorte trouvé l'œuf de Colomb, c'est un modèle très innovant, explique Gert Van der Eeken. Les entreprises peuvent demander à Shipit de collecter leurs marchandises et l'entreprise de construction indique alors la quantité dont elle a besoin sur le chantier un jour donné. Shipit s'assure alors que les marchandises sont bien là."

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Le Port de Bruxelles a dû se battre pour permettre au rail de maintenir son rôle dans la plateforme de mobilité multimodale – routière, fluviale et ferroviaire – que l'organisme d'intérêt public régional souhaite assurer. Au début du siècle,

le gouvernement a décidé que la ligne de chemin de fer menant au port n'était plus nécessaire et qu'elle devait être définitivement mise hors service en 2021, mais le port a saisi la justice pour s'y opposer. Sous l'impulsion du gouvernement bruxellois, un accord est conclu en 2022 avec le gouvernement fédéral, Infrabel et le propriétaire du site pour reconnecter le port et le terminal à conteneurs au réseau ferroviaire en rétablissant cette ligne. Le 28 juin, le premier train devrait circuler sur cette ligne rénovée.

Le Port de Bruxelles a commencé au fil des ans à imposer des critères de durabilité de plus en plus stricts aux entreprises auxquelles il accorde une concession. Cette démarche s'inscrit également dans la politique du gouvernement régional bruxellois. Après Amsterdam, Bruxelles est la deuxième ville au monde à adopter l'économie des beignets. Il s'agit d'un modèle d'économie durable développé par l'économiste britannique Kate Raworth. La secrétaire d'Etat bruxelloise à la Transition économique, Barbara Trachte (Ecolo), a appliqué cette théorie et le gouvernement bruxellois l'a traduite dans la stratégie Shifting Economy en 2023, visant la transition économique de la Région bruxelloise vers une économie circulaire, climatiquement neutre, numérique, régénérative et sociale.

"Avec le port, nous avons élaboré des critères pour nos concessions, en examinant dans quelle mesure une entreprise réduit son empreinte carbone. Nous examinons les mouvements d'une entreprise et l'impact qu'elle a sur Bruxelles, explique Gert Van der Eeken. La Région bruxelloise est notre principal actionnaire. Si la Région veut réduire le nombre de voitures, ie ne peux difficilement dire 'venez, venez ici' aux entreprises qui conduisent des camions de toute l'Europe jusqu'ici."

Avec ses 14 km d'eau s'écoulant dans une métropole densément peuplée, le canal est un endroit où de nombreux animaux et plantes peuvent prospérer. Conscient de cette réalité, le Port de Bruxelles multiplie les initiatives pour favoriser la biodiversité. En 2022, par exemple, à la demande du port, l'entreprise française Ecocéan a installé plus de 200 m² de radeaux recouverts de plantes indigènes variées dans le canal afin de créer un meilleur habitat pour les animaux. Des oiseaux aquatiques comme le cormoran peuvent y construire leur nid. Sous l'eau, des "biohuts" (paniers sus-

pendus dans l'eau le long des quais) permettent à des poissons comme la carpe et l'anguille européenne ainsi qu'à des invertébrés de se reproduire.

"Dans le cadre du projet pilote, nous craignons que ces biohuts ne soient pas suffisamment stables en raison du trafic sur le canal, mais les premiers résultats ont été immédiatement positifs, explique Florence Debrouwer. Au cours de cette année, des radeaux verts seront ajoutés sur 400 m². Des pièges à déchets pour retirer les déchets de l'eau sont disposés ici et là dans le canal et nous disposons de trois bateaux nettoyeurs – Castor, Botia et Damona." Le Damona est le premier bateau entièrement électrique.

"Nous allons également travailler sur un sujet qui n'en est encore qu'à sa phase embryonnaire : comment utiliser le canal pour rafraîchir la ville, alors que le réchauffement climatique entraîne de plus en plus de vagues de chaleur, poursuit Gert Van der Eeken. Nous sommes également intéressés par le concept des tiny islands sur les ronds-points (ndlr : il s'agit d'installer une végétation riche en biodiversité sur les ronds-points)."

24 septembre 2024

Monaco Info

Le 19H - Édition du mardi 24 septembre 2024 - Monaco Info

Passage Ecocean 13'40



20 septembre 2024

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[Reportage] Port d'Antibes : Journées du patrimoine pour les petits | Tagaday



9 septembre 2024

Figaro Nautisme

De port en port : à la découverte de Port Gardian - Actualités Nautisme
(meteoconsult.fr)



Ports

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Au cœur du parc régional de Camargue se trouve la ville des Saintes-Maries-de-la-Mer et son port, un havre de paix pour les plaisanciers. Entouré de paysages sauvages et préservés, où les flamants roses côtoient les chevaux et taureaux emblématiques de la région, ce port offre une escale unique en Méditerranée. Pour en savoir plus sur cette destination, nous avons interrogé pour vous la capitainerie de Port Gardian.

Figaro Nautisme : Quels sont vos objectifs et votre ambition pour la saison 2024 ?

Port Gardian dispose de 375 anneaux destinés aux pêcheurs locaux, aux locations annuelles et aux passages. Le port est aménagé avec une zone technique et une base nautique. Port Gardian est géré et exploité par la Société d'économie mixte des Saintes-Maries-de-la-Mer. Depuis sa création en 1983, la SEMIS se mobilise au quotidien pour valoriser et préserver les richesses naturelles de la commune et participe à la mise en œuvre du projet de territoire, en particulier sur la dimension de la transition écologique et énergétique. Elle se positionne en tant qu'acteur de référence de la Région Sud pour un tourisme durable.

La SEMIS* a pour ambition de traiter l'ensemble des dimensions de la transition écologique et énergétique : sobriété énergétique, économie d'eau, labels, certifications et trophées nationaux, collecte et valorisation des déchets, mobilité électrique, développement de la biodiversité, production d'énergie renouvelable en autoconsommation.

Pour la saison 2024, nos principaux objectifs sont de conserver nos certifications « Ports Propres » et « Ports Propres actifs en biodiversité ». Plus largement, nos infrastructures et services sont constamment améliorés pour limiter notre impact écologique et énergétique, tout en répondant aux besoins des plaisanciers et des professionnels de la mer. À Port Gardian, nous mettons en œuvre une gestion raisonnée des déchets (dernier aménagement d'un second port propre et installation d'un composteur), nous préservons la biodiversité marine avec des nurseries à poissons (installation de biohuts, technologie conçue par ECOCEAN), nous réduisons notre impact carbone (acquisition d'un bateau à propulsion électrique) et menons des campagnes de sensibilisation, en collaboration avec le Parc Naturel Régional de Camargue et des associations environnementales (sensibilisation à la campagne Éco-Geste Méditerranée, dépollution des plages, sensibilisation à l'usage de produits moins polluants, etc.). Notre ambition est de rester un territoire démonstrateur du tourisme durable et de la qualité de la gestion portuaire.

*La SEMIS est le groupe parapublic du village, présidé par la commune des Saintes-Maries-de-la-Mer, en charge de mettre en valeur les atouts du village et de développer les activités touristiques de la station.



06 août 2024

Vordingborg

Inauguration of Biohuts in Klintholm Harbour - Vordingborg In



FRONT PAGE ▾ VORDINGBORG ▾ PLACE TEXT AD NEWSLETTER FACEBOOK

Inauguration of Biohuts in Klintholm Harbour

The first initiative in the Supported by Nature project will be inaugurated at Klintholm Harbour on Friday 9 August at 11 am at café Klap Hesten.

On Friday 9 August, there will be an opportunity to take a closer look at a new initiative that will help improve biodiversity in our marine environments when 25 new biohuts are inaugurated at the Port of Klintholm. Biohuts are also called fish kindergartens in everyday speech, which better explains the function they have in the harbor underwater.

A fish kindergarten consists, in short, of a wire cage with an inner core of mainly seashells, which are attached under some of the boat bridges in the harbour. Here, fish fry can hide and grow larger in peace, while creating more biodiversity in the harbour. The French company ECOCEAN will deliver and install the total of 25 fish kindergartens in Klintholm harbour during week 32. ECOCEAN has a patent on the Biohut construction, which is a well-tested and scientifically documented concept that creates a positive effect on biodiversity where they are installed.

Chairman of the Climate and Technology Committee in Vordingborg Municipality, Anders J. Andersen, will inaugurate the fish kindergartens together with Chairman of the Water Club Klintholm Harbour, Jesper Carlson and Ole Eskling from Klap Hesten. The water club hosts a glass of bubbles or juice for the attendees, where you can also have a chat with those involved.

It has probably not escaped anyone's attention with the massive media coverage that the sea is gasping and crying out for help. The fish kindergartens are the first initiative, and at the same time the start of a longer effort, to help the sea towards increased biodiversity, says committee chairman Anders J. Andersen and continues:

I would like to praise the cooperation between the Water Club, volunteers and the municipality's administration, which has made it possible to establish the fish kindergartens. Together, we can effectively carry out the tasks, and in this case for the benefit of biodiversity below the surface. A big thank you to the very committed volunteers.

At the Water Club, they are also looking forward to the prospect of bringing the fish kindergartens to Klintholm Harbour:

"On behalf of the Water Club Klintholm Harbour, we are extremely proud and happy that we are helping to establish 25 fish kindergartens in the harbour. We have a goal as an association to contribute to a better marine environment, and the fish kindergartens are an important contribution to this, says Jesper Carlson, chairman of the Water Club, and continues:

As users of the sea in the form of our water activities in the association, we also have a responsibility to take care of life in the sea. With our great focus on the ocean as an association, we hope to inspire other "water" associations to go the same way, so that together we as an association Denmark can help restore our pressured marine environment."

With the opening of the fish kindergartens in Klintholm Harbour, a multi-year effort is also being launched to promote biodiversity in the sea along the municipality's coasts. In the coming years, an experimental stone reef will also be established off the coast of Møn.

The initiatives will be communicated as learning places for nature-based solutions, so that others can learn from and be inspired to participate in other restoration projects themselves. In this connection, the Port of Klintholm will be developed into a "hot-spot" for communicating biodiversity below the sea surface and increasing people's knowledge about life under the sea and how we can promote biodiversity.

Facts about the Supported by Nature project:

Supported by Nature is a collaborative project for the international network of UNESCO biosphere reserves around the Baltic Sea, called Biosphere for Baltic. The project aims to increase the understanding of nature-based solutions and how they contribute to improved environmental conditions and the promotion of biodiversity in the Baltic Sea. The long-term goal is that a better knowledge base will lead to more frequent and more comprehensive use of nature-based solutions in planning processes, as well as in land and sea management. During the project, at least 13 learning sites on nature-based solutions will be developed, with a particular focus on the themes of multifunctional wetlands, coastal water habitats and river restoration.

The project will test methods for establishing learning sites about nature-based solutions in collaboration with local stakeholders, as well as methods to increase understanding of nature-based solutions and how they can contribute to better biodiversity in the Baltic Sea.



05 août 2024

Figaro Nautisme

De port en port : à la découverte de Saint-Tropez - Actualités Nautisme
(meteoconsult.fr)



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Evidemment, s'il y a un port de la côte méditerranéenne qui fait rêver un peu plus que les autres, c'est bien celui de Saint-Tropez ! Mais au-delà de l'image que véhiculent le cinéma et ses stars éternelles, nous avons voulu voir l'envers du décor. Ou plutôt, découvrir la réalité de son port de plaisance, situé au cœur même du village. Nous avons donc interrogé pour vous Tony OLLER, directeur du port de Saint-Tropez.

Figaro Nautisme : Pouvez-vous nous présenter le port en quelques mots ?

T. O. : Le port de Saint-Tropez compte 734 places, dont une centaine pour les bateaux de passage. Il est en plein centre-ville, puisque le village s'est en fait construit autour du port, et non l'inverse... Si vous souhaitez y faire escale, pour les moins de 18 mètres, il vaut mieux faire votre demande à la dernière minute : nous attribuons les places en fonction des places libérées par les bateaux qui sortent et nous ne connaissons les disponibilités que 48 heures à l'avance. Pour les plus de 18 mètres, la demande se fait sur le système Magélan ; nous sommes souvent complets, mais nous tenons une liste d'attente. Nous traitons les réservations en fonction de la date de la demande et de la taille du bateau.

F. N. : Quels sont vos objectifs pour la saison 2024 ?

T. O. : En 2023, nous avons obtenu la certification « Ports Propres ». Alors cette année, nous aimerions aller plus loin avec la reconnaissance « Ports Propres Actifs en Biodiversité ».

F. N. : Pourquoi faire escale dans votre port ?

T. O. : Le port est situé au milieu des commerces et du village de Saint-Tropez. Tout l'été, nos visiteurs profitent d'une belle programmation culturelle. Expositions, musées, musique, commémorations : il se passe toujours quelque chose. En plus, l'équipe est dynamique et sympathique !

F. N. : Quelle est votre politique environnementale ?

T. O. : Nous sommes engagés dans la sensibilisation des usagers, mais aussi celle des scolaires. Par exemple, nous avons installé 43 nurseries avec Ecocean en 2021. Et lorsque nous relevons l'état de la vie dans les nurseries, nous invitons des classes. Nous allons réaliser une grande opération de dragage du port, pour évacuer la vase polluée et gagner en bathymétrie, d'ici quelques années. Une fois cette opération terminée, nous pourrions développer les nurseries dans les endroits où nous aurons repéré que les poissons se sentent le mieux. Par ailleurs, l'Université de Toulon a installé un capteur innovant baptisé HTM-NET, qui nous permet de connaître en direct le niveau d'eau, sa température et tout ce qui se trouve en suspension : cela nous aide à analyser l'impact du changement climatique et de la montée du niveau de la mer. Enfin, nous proposons un service qui a beaucoup de succès : la récupération des poubelles au bateau, sur simple demande, avec un véhicule électrique.



21 juin 2024

France Bleu Normandie

À Rouen, les nurseries à poissons du port de plaisance abritent des centaines de juvéniles - France Bleu



À Rouen, les nurseries à poissons du port de plaisance abritent des centaines de juvéniles



Etienne Abadie, de la société Ecocean, vide le contenu d'une des 22 biohuts installés dans le port. © Radio France - Christine Wurtz

C'est une expérimentation menée depuis fin 2022 par la Métropole de Rouen. Une vingtaine de nurseries à poissons, ont été installées sous les pontons du port de plaisance, pour servir d'habitat aux espèces. Les premiers relevés indiquent qu'elles contribuent à restaurer la biodiversité.

Il y a du monde dans le casier que vient de remonter à la surface Etienne Abadie, l'un des plongeurs de l'entreprise **Ecocean** qui a mis au point le dispositif. Depuis fin 2022, une vingtaine de nurseries à poissons, ont été installées sous les pontons du port de plaisance de Rouen, pour servir d'habitat aux espèces. Quelque **400 petits animaux** ont trouvé logement et protection à l'intérieur de ces 22 cages en métal remplies de coquilles d'huîtres, accrochées sous les pontons d'accostage. Plusieurs espèces de petites crevettes et des anguilles d'Europe de différentes tailles. Des juvéniles qu'il faut compter et mesurer avant de replacer le casier et de les remettre à l'eau.

Le retour des anguilles d'Europe

Parmi ces petits animaux, **une dizaine de petites anguilles**, dix fois plus que l'an dernier lors du relevé précédent et c'est une bonne surprise selon Manuel Muntoni, écologue au **Groupement d'intérêt public Seine-aval**. *"C'est un très bon signe puisque la végétation s'est bien installée, toute la composante de la chaîne alimentaire s'est bien installée à partir des algues, des mousses et ça a permis à d'autres organismes de s'installer donc des petites crevettes et d'autres types d'arthropodes. C'est le signe que ce milieu est efficace puisque l'objectif, c'est d'imiter la nature"*, constate le spécialiste.

Le signe que la qualité de l'eau de la Seine s'améliore

Ça ne permettra pas à l'espèce de recoloniser la Seine, et d'y être aussi abondante qu'autrefois, mais c'est le signe d'une amélioration du milieu se réjouit **Hugo Langlois, conseiller métropolitain délégué à l'axe Seine** et à la biodiversité. *"L'objectif, c'est de montrer que la qualité de l'eau de la Seine s'améliore, qu'elle n'est pas aussi mauvaise qu'on peut le dire et puis c'est aussi de trouver des dispositifs pour que des espèces emblématiques de notre fleuve se réinstallent et prolifèrent."*

L'expérimentation va se poursuivre encore quelques années, avec des relevages annuels et des observations régulières pour recenser précisément le nombre et la nature des habitants de ces biohuts.

Dans la rade olympique de Marseille, des nurseries à petits poissons pour «permettre à la vie de revenir» - Libération (liberation.fr)



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Reportage

Dans la rade olympique de Marseille, des nurseries à petits poissons pour «permettre à la vie de revenir»

Après deux ans de travaux, la réhabilitation de la base nautique créée dans les années 70 et qui accueillera les épreuves de voile des JO touche bientôt à sa fin. Avec une vocation nouvelle : motiver la réinstallation des petits poissons grâce à des cages leur permettant de se nourrir et se cacher.

La mer est encore calme. A terre, les marteaux-piqueurs s'activent sur les derniers chantiers, un oeil sur la montre : lundi 10 juin, la ville de Marseille doit remettre les clés de la marina olympique au comité d'organisation des JO en vue des épreuves de voile qui s'y dérouleront du 28 juillet au 8 août. Il aura fallu deux ans de travaux, pour une facture de 49 millions d'euros (dont 10,5 millions financés par la ville), pour réhabiliter l'ancienne base nautique des années 70.

Les athlètes du pôle France de voile s'y sont déjà installés depuis un an, mais les 330 marins venus du monde entier et attendus pour la compétition n'ont pas encore envahi la rade ce mercredi 5 juin, où une petite équipe de plongeurs s'active sous les pontons du bassin. Ils ont deux jours, avant la parenthèse olympique, pour mettre en eau une quarantaine de petites cages garnies de coquilles d'huîtres : ce sont des nurseries pour petits poissons, destinées à motiver leur réinstallation dans ce bout de rade voué depuis des décennies au béton.

Hervé Menchon, l'adjoint au maire chargé de la mer, n'a pas trouvé de combinaison à sa taille pour plonger avec les cages-nurseries. Mais, pour le symbole, il a porté une écharpe d'élu bleu et blanc, «car ce sont aussi des adjoints de la biodiversité». L'initiative est en effet municipale. Si l'objectif de la ville est de capitaliser sur la réhabilitation de la base nautique pour accueillir, à l'avenir, plus de scolaires, c'est aussi l'occasion pour l'élu écologiste d'inscrire le site olympique dans la feuille de route, fixée par la nouvelle majorité, de «renaturation» de la ville, mer comprise. «Le projet de la marina olympique dans son ensemble a répondu aux normes environnementales, mais nous avons souhaité aller au-delà. Sur terre, nous allons planter une centaine d'arbres à l'automne, installer des refuges à chiroptères [chauves-souris, ndlr], détaille-t-il. Et en mer, nous ne nous sommes pas contentés d'enlever la vase dans le bassin, nous avons créé des percées dans la digue pour oxygéner le site et permettre à la vie de revenir, avec en plus ce projet de nurseries.»

La facture a doublé

Car la base nautique n'accueillait jusqu'alors pas grand-monde côté poissons, explique l'élu. Les plus de 20 000 mètres cubes de vase évacués - qui ont largement contribué à faire doubler la facture du chantier initialement chiffré à 25 millions d'euros - ont en effet dégagé sous l'eau des blocs de béton lisse.

Sans aspérités pour se cacher, les petits poissons côtiers se retrouvent ainsi à la merci des plus gros. D'où l'idée de ces cages-refuge développées par la société Ecocean, mandatée par la ville pour mener le projet dans la marina. Leur module, baptisé Biohut, est assez simple : une cage en acier grillagée d'environ un mètre de haut garnie de coquilles d'huîtres, encadrée par deux autres cages, vides celles-ci. Une quarantaine seront immergées dans les eaux du bassin, accrochées aux pontons ou aux digues, pour permettre à tout un écosystème de se développer.

«Au stade post-larvaire, les poissons côtiers regagnent le littoral pour leur croissance, détaille Antony Fortin, aquariologiste et plongeur chez Ecocean. Là, ils vont chercher des endroits où des aspérités, des complexités, leur permettront de se camoufler. Sauf que dans les sites fortement bétonnés, ces refuges n'existent plus. Avec les nurseries, les coquilles d'huîtres servent de substrat qui va permettre de nourrir toute une biodiversité, surtout des invertébrés comme des vers, des crevettes, des crabes... Ils vont avoir une fonction nourricière pour les poissons autour.» Les deux cages vides autour permettent, elles, aux petits poissons de se mettre à l'abri le temps de grandir. «Le mérour, par exemple, peut rester jusqu'à 10 centimètres dans le Biohut, ce qui représente plusieurs mois de vie, poursuit le plongeur. Il migre ensuite vers un habitat plus grand, dans des eaux plus profondes.» D'autres poissons côtiers comme les sars, les daurades ou les muges pourraient aussi s'y plaire.

Une trentaine de ports équipés

Avant d'installer les nurseries, ce mercredi, les plongeurs d'Ecocean font un repérage pour dresser un inventaire à l'instant zéro : aucun poisson en vue sous le ponton de la marina. Un nouvel état des lieux sera fait dans un an pour mesurer l'efficacité des Biohut. Depuis 2013, l'entreprise en a installé quelque 5 000 dans plusieurs pays européens, équipant notamment une trentaine de ports du pourtour méditerranéen. «Nous avons huit publications scientifiques qui valident le projet, assure Antony Fortin. Plus de 330 espèces d'invertébrés ont été référencées sur dix ans d'activité et 120 espèces de poissons observées.»

L'initiative aura aussi des vertus pédagogiques, poursuit l'adjoint Hervé Menchon. Lorsque les classes de natisme réinvestiront les lieux, quelques mois après les Jeux olympiques, des activités

de sensibilisation autour des nurseries seront organisées, explique l'élu. Qui a voulu mettre en oeuvre le projet au plus vite, avant de céder le site aux autorités olympiques, «parce qu'on est en période de reproduction pour plusieurs espèces et qu'on ne voulait pas attendre l'an prochain». Les premiers petits poissons, attendus dès la semaine prochaine, devront donc faire avec l'agitation des Jeux. Rien de grave, sourit Antony Fortin : «L'autre jour, on a repéré près du quai, autour de gros cailloux, quelques espèces de juvéniles, et pourtant les travaux de la marina durent depuis deux ans. La nature est extrêmement résiliente.»

Ecocean imagine des nouveaux débouchés en mer pour des matériaux issus des aciéries | Mer et Marine

Mer et Marine

Toute l'actualité maritime

CONSTRUCTION NAVALE

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VIE PORTUAIRE

ENERGIES MARINES

Ecocean imagine des nouveaux débouchés en mer pour des matériaux issus des aciéries

L'entreprise montpelliéraine d'ingénierie écologique a évalué scientifiquement les éventuels effets des Laitiers d'Acierie de Convertisseur (LAC) en milieu marin. Après deux ans de suivi, ces déchets non-dangereux issus de la fabrication de l'acier semblent ne présenter aucun impact.



Chaux, fer, silice et magnésie : ce sont les principaux composants chimiques des Laitiers d'Acierie de Convertisseur (LAC), ces déchets issus du processus de fabrication de l'acier. Ou plutôt ces coproduits, le nom donné aux matières ou substances générées lors d'un processus de fabrication parallèlement à la production du produit principal, que l'industrie est incitée à valoriser.

© ECOCEAN

Dans le domaine de la construction, par exemple, les coquilles d'huître broyées peuvent être utilisées dans des mélanges de béton, afin d'améliorer la résistance et la durabilité du matériau. Les LAC, eux, sont déjà largement utilisés en agriculture, où ils servent d'amendement pour les cultures et les herbages après avoir été réduits en poudre, ou dans les travaux publics, où les granulats générés par le processus sidérurgique sont utilisés pour la construction de routes et de remblais.

Projet Deltamar

Et en mer ? « Nous avons été sollicité il y a quatre ou cinq ans par ArcelorMittal

pour trouver un nouveau débouché à ces LAC, en milieu maritime », explique aujourd'hui Gilles Lecaillon, président et fondateur d'Ecocean, à Mer et Marine. Le géant mondial de la sidérurgie voulait alors savoir si les LAC pouvaient être envisagés comme des matériaux alternatifs aux roches naturelles habituellement utilisées pour la construction d'ouvrages sous-marins, et voulait tester leur éventuel impact sur le milieu.

© REMY DUBAS

C'est ainsi qu'est né le projet Deltamar, porté par l'entreprise montpelliéraine qui oeuvre depuis 2003 dans le domaine de l'ingénierie écologique, et soutenu par ArcelorMittal donc, ainsi que le Centre de recherche sur les écosystèmes marins de l'université de Perpignan. Visant à « évaluer l'efficacité écologique et la faisabilité technique de la mise en place de modules contenant des coproduits de l'industrie métallurgique » dans un site pilote en Méditerranée, il est labellisé par le pôle Mer Méditerranée et soutenu financièrement par la Région Occitanie dans le cadre de son Plan Littoral 21.

36 tonnes

Le projet de recherche s'est déroulé durant deux ans, entre 2021 et 2023. « Nous avons immergé 18 casiers en acier sur le site des récifs artificiels de Leucate, dans les Pyrénées-Orientales », reprend Gilles Lecaillon. Chaque casier est rempli de 2 tonnes de « cailloux » artificiels d'une taille de 15 à 20 cm, et d'un poids d'environ 3 kg. « Huit types de suivis physico-chimiques et biologiques ont été réalisés durant les deux ans de suivi : qualité du sédiment, qualité de l'eau, suivi de la faune piscicole, suivi bioacoustique, etc. ».

© Alizée Frezel

Résultat : « L'ensemble des suivis physico-chimiques et biologiques réalisés ne semble pas traduire d'impact des Laitiers d'Acierie de Convertisseur sur le milieu étudié (...). La caractérisation de la composition chimique des Laitiers exprime un matériau stable et résistant dans le temps », conclut l'étude, qui a été présentée aux services de l'Etat. Pour Ecocean et ses partenaires scientifiques, cette innocuité valide l'usage des LAC en milieu marin. Ils présentent en outre « un bilan carbone nettement plus favorable que les roches naturelles extraites de carrières (...), et s'inscrivent dans une démarche d'économie circulaire et de développement durable par l'utilisation de déchets plutôt que de matières premières ».

Protection des digues, corps-morts...

Comment ce matériau pourrait-il être utilisé en mer ? Gilles Lecaillon ne manque pas d'idées : « Il pourrait notamment servir de protection anti-affoulement, l'érosion par la base provoquée par les courants. Aujourd'hui, on protège les quais, les digues ou les éoliennes par des tapis en béton de 50 à 60 cm de haut, des gros rochers ou des sacs contenant des cailloux naturels. Nous proposons d'installer à leur place des sacs avec des "cailloux" artificiels », qui pourraient aussi contribuer à protéger les câbles sous-marins.

Pour répondre aux besoins soulevés par le développement des Zones de mouillages et d'équipements légers (ZMEL), qui visent à la préservation des milieux marins et notamment à la protection des herbiers de posidonies en Méditerranée, Ecocean travaille également à la création de corps-morts « écologiques », où les LAC viendraient remplacer le béton actuellement utilisé pour la fabrication des lests posés au fond. Dans l'immédiat, l'entreprise se concentre sur la conception des grillages en acier destinés à contenir les « cailloux » artificiels. Les premiers systèmes seront déployés en 2025 dans une zone de test du futur parc éolien d'Ocean Winds au large des îles d'Yeu et de Noirmoutier, dans le cadre d'un projet pilote.

06 juin 2024

La Provence

Vidéo - 40 nurseries à poissons installées dans la Marina olympique pour favoriser la biodiversité (laprovence.com)

LaProvence.

Faits divers OM Economie Culture Sorties-Loisirs

40 nurseries à poissons installées dans la Marina olympique pour favoriser la biodiversité



Quarante nurseries à poissons sont désormais immergées dans le bassin d'eau de la Marina olympique. Objectif : renaturer ce site en y faisant revenir dorades, sars, loups... Il avait promis à la presse de se mettre en maillot pour la mise à l'eau des nurseries à poissons de la Marina olympique. Mercredi 5 juin, c'est finalement en costume blanc qu'Hervé Menchon a assisté à l'installation des 40 abris en métal gorgés de coquilles d'huîtres, un substrat prisé des crabes, crevettes et autres invertébrés, eux-mêmes prisés des jeunes poissons. Deux buses d'avivement construites Si le projet à 45 millions d'euros de la Marina olympique respecte bien évidemment les normes environnementales, "nous avons été au-delà, martèle l' élu. Nous ne nous sommes pas contentés de désenvaser pour recréer des fonds, nous avons construit deux buses d'avivement pour favoriser le renouvellement des eaux et réoxygéner le bassin et nous installons ces 40 nurseries à poissons pour renaturer ce site." À ses côtés, Antony Fortin, aquariologiste et plongeur professionnel pour la société Ecocean, spécialisée dans la restauration des milieux aquatiques, explique : "Ces huttes sont immergées au niveau des pontons, des quais et des lests en béton. Il y a deux cages vides autour de la cage qui abrite les coquilles d'huîtres, ce qui permet aux petits poissons de se nourrir, mais aussi de se mettre à l'abri des prédateurs."


ecocean
Raised to be wild

05 juin 2024

La Provence

À Marseille, 40 nurseries à poissons installées dans la Marina olympique pour favoriser la biodiversité (laprovence.com)

LaProvence.

POLITIQUE FAITS DIVERS OM SPORTS ECONOMIE CULTURE SORTIES

À Marseille, 40 nurseries à poissons installées dans la Marina olympique pour favoriser la biodiversité



40 abris en métal ont été installés hier dans le bassin de la Marina olympique. Ils sont remplis de coquilles d'huîtres, un substrat prisé des crabes, crevettes et autres invertébrés, eux-mêmes prisés des jeunes poissons. Leur objectif : faire revenir dorades, sars, loups...

Photo David Rossi

Quarante nurseries à poissons sont désormais immergées dans le bassin d'eau de la Marina olympique. Objectif : renaturer ce site en y faisant revenir dorades, sars, loups...

Il avait promis à la presse de se mettre en maillot pour la mise à l'eau des nurseries à poissons de la **Marina olympique**. Mercredi 5 juin, c'est finalement en costume blanc qu'**Hervé Menchon** a assisté à l'installation des **40 abris en métal gorgés de coquilles d'huîtres**, un substrat prisé des crabes, crevettes et autres invertébrés, eux-mêmes prisés des jeunes poissons.

Avec un souci étudié de la mise en scène, l'adjoint à la mer (EELV) a ceint une des cages d'une écharpe bleu et blanc aux couleurs de la ville, avant de commenter : "Cette hutte, c'est un adjoint de la biodiversité."

Deux buses d'avivement construites

Si le projet à 45 millions d'euros de la **Marina olympique** respecte bien évidemment les normes environnementales, "nous avons été au-delà, martèle l' élu. Nous ne nous sommes pas contentés de désenvaser pour recréer des fonds, nous avons construit deux buses d'avivement pour favoriser le renouvellement des eaux et réoxygéner le bassin et nous installons ces **40 nurseries à poissons pour renaturer ce site.**"

À ses côtés, Antony Fortin, aquarologue et plongeur professionnel pour la société **Ecocean, spécialisée dans la restauration des milieux aquatiques**, explique : "Ces huttes sont immergées au niveau des pontons, des quais et des lests en béton. Il y a deux cages vides autour de la cage qui abrite les coquilles d'huîtres, ce qui permet aux petits poissons de se nourrir, mais aussi de se mettre à l'abri des prédateurs."

Daurades, sars, loups, rascasses, mérus... trouvent dans ces anfractuosités vite recouvertes de micro-algues un refuge de prédilection, avant de rejoindre des eaux plus profondes, "les **herbiers de posidonies** à 20 mètres de profondeur, puis les 400 récifs artificiels de la rade Sud à 25 mètres environ de profondeur", poursuit le scientifique, qui entend ainsi "créer une continuité entre ces différents lieux".

"Nous étudierons la possibilité d'étendre cette expérience à d'autres sites du littoral marseillais"

Un premier bilan devrait être dressé d'ici à l'été prochain par ce prestataire dans le cadre du contrat à 61 000 euros qui le lie pour un an à la ville (installation, maintenance et initiations à l'environnement). "En fonction des premiers résultats, nous étudierons la possibilité d'étendre cette expérience à d'autres sites du littoral marseillais", indique Sophie Carteron, à la Direction de la mer à la Ville.

Cette opération s'inscrit dans la volonté de **faire de la Marina un lieu d'apprentissage** et de découverte pour les jeunes Marseillais, avec des activités nautiques accessibles à tous et une sensibilisation à la préservation de la biodiversité marine. "Nous avons installé des plantes mellifères sur le toit, des refuges à chauve-souris, ces abris pour poissons, nous allons planter à l'automne une centaine d'arbres...", énumère Hervé Menchon. Cet équipement sportif d'excellence laissera après les Jeux un **formidable héritage aux Marseillais** et favorisera leur accès à la mer."

28 mai 2024

Irish Independent

La mer Méditerranée est en meilleur état aujourd'hui que dans les années 1980, selon les biologistes marins | Indépendant irlandais (independent.ie)

Irish Independent 

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La mer Méditerranée est en meilleur état aujourd'hui que dans les années 1980, selon les biologistes marins

La Méditerranée fait un retour timide avec la réapparition de diverses espèces et la diminution de la pollution, selon une étude française révolutionnaire utilisant l'ADN environnemental de la mer au large de ses côtes.

Sous la pression du surtourisme, de la pêche intensive, de l'industrie et de la pollution humaine, la Méditerranée a vu le nombre de vertébrés marins diminuer de moitié au cours des 30 dernières années à mesure que la mer se réchauffe et s'acidifie.

Tout n'est pas perdu, selon les biologistes marins de l'agence de l'eau Rhône Méditerranée Corse et de l'Université de Montpellier, qui viennent de publier les résultats d'une étude « sans précédent » de 10 mois sur la mer menée l'année dernière entre la France, l'Italie et l'Espagne.

« **L'ADN nous a permis de déterminer la présence de plus de 300 poissons, alors que les plongeurs n'en auraient enregistré qu'une cinquantaine.** »

Pierre Boissery, de l'agence de l'eau, a déclaré au journal *La Provence* : « Nous nous éloignons de l'image très sombre d'une mer que l'on dit déjà morte. Il se porte mieux et cela signifie que beaucoup de gens ont travaillé dur.

« Nous avons amélioré l'assainissement en créant des usines de traitement de l'eau et des lois pour protéger le littoral. Nous avons créé des réserves marines et sensibilisé.

Il a souligné les groupes d'aide marine tels qu'Ecocean, qui repeuplent les fonds marins de la Méditerranée en élevant des larves et en créant des habitats artificiels.



27 mai 2024

La Provence

["Tout n'est pas foutu" : moins de pollution et des espèces qui reviennent, la mer Méditerranée va mieux \(laprovence.com\)](https://www.laprovence.com)

LaProvence.

POLITIQUE FAITS DIVERS OM SPORTS ECONOMIE CULTURE SORTIES JEUX-CONCOURS

"Tout n'est pas foutu" : moins de pollution et des espèces qui reviennent, la mer Méditerranée va mieux

N'allons pas imaginer que tout va pour le mieux. Que la mer Méditerranée est sauvée. Qu'on peut la polluer à l'envi parce qu'elle serait capable de se régénérer. Soumise aux pressions du surtourisme, des industries et des pollutions humaines, elle continue de se réchauffer et de s'acidifier. Les conséquences sur la biodiversité sont connues et répétées à coups de rapports scientifiques : sur les trente dernières années, la population des vertébrés marins a diminué de moitié.

L'espoir est cependant là. " *Tout n'est pas foutu, la situation s'améliore. Globalement, la Méditerranée va mieux que dans les années quatre-vingt* ", assure Pierre Boissery. Expert de l'Agence de l'eau Rhône Méditerranée Corse, il vient de dévoiler, avec les chercheurs de l'université de Montpellier, des entreprises de biologie marine et des associations de protection, les résultats d'une expédition scientifique hors du commun.

Pendant dix mois à partir du printemps 2023, la mission BioDivMed a réalisé un inventaire unique de la faune sous-marine sur nos côtes, incluant la zone Pelagos, le répertoire est allé de la frontière italienne à celle de l'Espagne, en passant par la Corse. Ce ratisage unique au monde, effectué grâce à quatre passages synchronisés de filtres piégeant l'ADN marin, a permis de recueillir 700 échantillons dans des eaux marines et saumâtres s'étalant sur 2 000 kilomètres. " *L'ADN est plus exhaustif, plus précis, plus facile à mettre en oeuvre que les méthodes classiques*, explique David Mouillot, directeur scientifique de l'expédition. *Il a permis de déterminer la présence plus de 300 poissons, alors que les plongeurs en auraient répertorié une cinquantaine. Nos filtres ont récupéré les traces d'écaillés, d'épines, d'humus, un peu comme les chasseurs avec les crottes. C'est comme une enquête de police. Il faut aller vite, car cet ADN se dégrade et disparaît vite dans l'eau.*"

Même s'ils sont rarement observés, des passagers des mers aussi discrets que les requins ange ou peau bleue ont ainsi été tracés dans nos eaux. De quoi redonner le sourire à des scientifiques qui croyaient certains habitués de ces coins disparus, emportés par les filets de pêche. Ils ont aussi pu se rendre compte de la présence de plus en plus fournie de certaines espèces invasives, à l'instar du crabe bleue. Mais aussi de l'absence de prédateurs exotiques qui ont certes franchi le canal de Suez, mais restent dans les eaux méditerranéennes les plus chaudes, entre Grèce, Crète et Turquie, même si quelques-uns s'aventurent parfois jusqu'en Sardaigne. " *Contrairement aux cris d'alarme qu'on a pu entendre*, pointe David Mouillot, *ces perturbateurs des écosystèmes ne sont pas encore là, nous avons pu le constater formellement. Ce qui est plutôt une bonne nouvelle.*"

L'autre motif de réjouissance, c'est l'amélioration de l'état de la Méditerranée. " *On va pouvoir un peu sortir des tableaux très sombres concernant une mer que l'on dit déjà morte*, sourit Pierre Boissery. *Elle va mieux et cela veut dire que beaucoup de gens ont bossé. On a amélioré l'assainissement en créant des stations d'épuration et des lois qui ont permis de protéger le littoral. On a créé des réserves marines, on a sensibilisé. Finalement, la situation n'est pas perdue. Ce n'est pas pour autant qu'il faut s'arrêter. Mais on a plus de moyens qu'il y a quarante ans et on a plus conscience des enjeux.*"

Si la quantité de microplastiques a diminué et nos eaux de baignade se sont éclaircies, la nature a montré aussi son incroyable résilience. " *Les milieux s'adaptent*, poursuit David Mouillot. *On se souvient de la caulerpa taxifolia, cette algue finalement moins ravageuse que prévu. On craignait la disparition des mérours à cause d'un virus, des nacres ou des gorgones l'an dernier. Mais elles sont toujours là.*"

Elles le doivent en partie aux associations et entreprises qui, à l'image d'Ecocean, repeuplent les fonds méditerranéens en élevant des larves et en créant des habitats artificiels. Après avoir participé à BioDivMed, l'association OceanoScientific est repartie samedi vers la Corse, afin de s'intéresser aux populations d'éponges. Avec Andromède, le plongeur et biologiste Laurent Ballesta explore, cartographie et restaure en transplantant des espèces. Également présente sur la mission, la communauté We are Méditerranée forme les scientifiques de demain. " *Le but est de renforcer la protection, de mieux diagnostiquer et remédier*, résume Pierre Boissery. *C'est comme si on avait ouvert le capot de la voiture et qu'on reliait les éléments du moteur méditerranéen.*" Une façon de connecter les écosystèmes et de faire en sorte qu'en agissant sur l'un d'entre eux, on peut espérer refaire la santé des autres.



24 mai 2024

Head Topics

[Le port de plaisance de Fos-sur-Mer, un refuge pour les bébés poissons | France](#)
(headtopics.com)

Midi Libre ^{80^{ans}}

[Société](#) [Justice](#) [Circulation - Déplacements](#) [Météo](#) [Environnement](#) [Méditerranée](#)

Ateliers, jeux, expositions et visites pour la fête de la nature à la Maison des Orpellières ce samedi et dimanche à Sérignan

Les 25 et 26 mai se tiendra la fête de la nature à la Maison des Orpellières à Sérignan.

Ce week-end aura lieu la fête de la nature à Sérignan. Petits et grands, seul, en famille ou entre amis, toute personne se sentant concernée par l'environnement est conviée ce samedi et ce dimanche à la Maison des Orpellières. Cette fête qui perdure depuis 18 ans sera l'occasion de découvrir les nombreux ateliers, expositions et animations proposés lors de l'événement.

Le programme

Le samedi, les activités débuteront à 10 heures avec notamment un atelier réutilisation des déchets qui sera animé par l'agglomération de Béziers et un atelier Biohut avec Eco Océan. Il sera aussi possible de découvrir des expositions de photos, les oiseaux du littoral ou encore le monde des abeilles. La journée se terminera à 18 heures.



18 mai 2024

Head Topics

[Le port de plaisance de Fos-sur-Mer, un refuge pour les bébés poissons | France](#)
([headtopics.com](#))

Head Topics  FRANCE

Le port de plaisance de Fos-sur-Mer, un refuge pour les bébés poissons



La Ville de Fos a fait installer 25 'nurseries' dans le port Saint-Gervais, à l'abri desquelles les tout jeunes poissons pourront se nourrir et grandir, avant de gagner le large.

Le port de Saint-Gervais sera-t-il bientôt poissonneux ? C'est ce qu'espère la Ville de Fos-sur-Mer, non pour ravir les pêcheurs à la canne, mais pour restaurer la vie marine de ses petits fonds côtiers. Mercredi 15 mai, devant la capitainerie, on pouvait voir sur le quai des cubes grillagés d'acier contenant en leur centre un compartiment rempli de coquilles d'huîtres.

En tout, 25 'Biohut' sont installées dans le port, certaines suspendues aux pontons, pour les plus jeunes spécimens, à l'état de post-larves ; d'autres posées sur les rochers de la digue, en face, pour les sub-adultes qui regagneront bientôt le large.

18 mai 2024

La Provence

Le port de plaisance de Fos-sur-Mer, un refuge pour les bébés poissons
(laprovence.com)

LaProvence.

RÉGION POLITIQUE FAITS DIVERS OM SPORTS ECONOMIE CULTURE SORTIES JEUX-CONCOURS

Le port de plaisance de Fos-sur-Mer, un refuge pour les bébés poissons



Les caissons d'huîtres contiennent dans les "biohuts" différents organismes, des vers, de petits crustacés qui servent de nourriture aux jeunes poissons. A l'abri des prédateurs, les alevins se développent.

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En tout, 25 "Biohut" sont installées dans le port, certaines suspendues aux pontons, pour les plus jeunes spécimens, à l'état de post-larves ; d'autres posées sur les rochers de la digue, en face, pour les sub-adultes qui regagneront bientôt le large.

"C'est à la fois un lieu pour se nourrir et un refuge pour les poissons, les coquilles créent un habitat complexe où se réfugient petits crustacés, vers... Et le bruit attire les poissons juvéniles", détaille Kevin Pinçon, responsable technique chez Ecocean et plongeur professionnel.

En combinaison, il s'apprête d'ailleurs à plonger pour recenser les poissons présents dans les environs, et disposer ainsi d'un point de comparaison pour le suivi des populations qui sera opéré chaque année. *"Ça vise essentiellement les sparidés, comme les sars, les dorades, qui vont venir occuper la Biohut en différentes saisons. Mais ça favorisera toute la biodiversité, d'autres espèces de poissons en profiteront, et des mollusques, des poulpes..."*

17 mai 2024

Paris Normandie

[Au Havre, quatre sorties pour connaître le port et ses bassins avec Port Center](#)
[- Paris Normandie \(paris-normandie.fr\)](#)

PARIS **NORMANDIE**

Sports Faits divers Normandie Loisirs Économie Emploi Pratique Immobilier

Au Havre, quatre sorties pour connaître le port et ses bassins avec Port Center



Deux sorties autour de la biodiversité marine

Si la biodiversité marine vous passionne, alors ces deux sorties sont faites pour vous. Le mercredi 29 mai de 10 h à 11 h 30, les enfants accompagnés d'un adulte pourront apercevoir les [créatures de la nurserie du bassin de la Citadelle](#), menés par des guides du muséum d'Histoire naturelle. Un parcours de 2,5 km est aussi organisé [le samedi 8 juin](#) de 14 h à 16 h pour découvrir l'initiative Biohut®, la nurserie qui vise à revitaliser le bassin de la Citadelle.

23 avril 2024

Nice Matin

[Les festivités gratuites débutent ce samedi: ce qui vous attend au 3e "Printemps du port" à Antibes - Nice-Matin \(nicematin.com\)](#)

nice-matin

[Guerre au Proche-Orient](#)

[Actualités](#) ▾

[Vidéos](#)

[Faits-divers](#)

[Loisirs](#) ▾

[Ma ville](#) ▾

[Services](#) ▾

Les festivités gratuites débutent ce samedi: ce qui vous attend au 3e "Printemps du port" à Antibes

Troisième édition, samedi, du Printemps de l'enceinte portuaire, avec les associations partenaires. Jeux, animations, parcours découverte: la manifestation, gratuite, est ouverte à tous.



Même si le temps est capricieux, le port Vauban hisse résolument le pavillon des beaux jours, avec la troisième édition du Printemps du port, ce samedi, sur l'esplanade Jean-Moulin avec de nombreuses animations gratuites pour tous. Objectif: faire découvrir ce site qui, depuis sa délégation par la Ville à la société Vauban 21, est en pleine transformation avec des chantiers de modernisation et de réhabilitation du patrimoine.

Environnement et histoire

Le Printemps est l'occasion d'en savoir un peu plus, tout en s'amusant. L'accent est mis sur l'environnement, avec des jeux et animations sur le thème de la posidonie, des animaux marins et des oiseaux, proposés par la Ville. La fondation *Surfrider* sera sur le pont pour la protection des océans et des côtes. Une sensibilisation auprès des plus jeunes qui passe par des jeux. L'association *Ecocean* proposera un jeu grandeur nature sur la biodiversité marine.

Les membres de l'International Sporting Club Antibes Vauban (Iscav) connaissent l'histoire du port sur le bout des doigts et la partageront. L'association a été créée en 1969 et défend les intérêts des plaisanciers. Les bénévoles de l'association *Aventure Pluriel*, eux, veillent sur les navires de tradition et leur restauration. Un quai patrimonial leur est dédié.



23 avril 2024

Midi Libre

[Un éveil écologique pour les jeunes - midilibre.fr](http://midilibre.fr)



Midi Libre 80

Mon compte

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Culture et loisirs Balades et randonnées Gastronomie Patrimoine Marchés Hébergements Grands sites Châteaux Fêtes et festivals Expos

Un éveil écologique pour les jeunes



Les petits Marseillanais engagés pour l'environnement.

Les jeunes enfants du centre de loisirs, les conseillers municipaux juniors et les adolescents de l'espace jeunes marseillanais restent actifs face aux enjeux durant leurs vacances. Ils ont participé à des ateliers de sensibilisation au travers d'activités interactives et ludiques en découvrant l'importance de protéger les écosystèmes et la biodiversité aquatique.

Des ateliers étaient ainsi animés par une entreprise française qui innove et agit en faveur de la biodiversité aquatique : la société Ecocean. Divers jeux et animations ont enrichi leurs connaissances, de la protection des habitats comme l'herbier de posidonie, en passant par la découverte du cycle de vie des poissons ou la compréhension de la chaîne alimentaire aquatique.



19 avril 2024

Le petit journal

Les jeunes engagés dans la protection de l'environnement - Le Petit Journal



The image is a screenshot of the 'Le Petit Journal' website. At the top, there is a navigation bar with 'HÉRAULT' and '34' on the left, and 'PUBLIER VOTRE ANNONCE LÉGALE' and 'Consulter votre annonce légale' on the right. The main header features the 'LE PETIT JOURNAL' logo with the tagline 'Journal d'Informations Locales'. Below the header is a menu with categories: DÉPARTEMENT, VILLES / VILLAGES, AGRI, CULTURE, ÉCONOMIE, POLITIQUE, JUSTICE, FAITS DIVERS, and SPORTS. The main article title is 'LES JEUNES ENGAGÉS DANS LA PROTECTION DE L'ENVIRONNEMENT', published on '22 AVRIL 2024'. The article includes a photograph of a group of children and adults in a room decorated with colorful streamers. They are gathered around a large digital screen displaying an underwater scene. The caption below the photo reads: 'Les jeunes restent actifs face aux enjeux environnementaux Crédits : Mairie de Marseillan'.

Durant les vacances scolaires, les marseillanais les plus jeunes restent actifs face aux enjeux environnementaux. Ainsi, les enfants du centre de loisirs, les conseillers juniors et les adolescents de l'espace jeunes ont participé à des ateliers de sensibilisation à travers des activités ludiques et interactives, explorant la biodiversité aquatique et l'importance de protéger nos écosystèmes. Ces ateliers étaient animés par la société Ecocean*.

De la découverte du cycle de vie des poissons à la protection des habitats comme l'herbier de posidonie, en passant par la compréhension de la chaîne alimentaire aquatique, chaque jeu était une aventure enrichissante pour tous les participants.

En naviguant entre autres à travers les pressions de la pollution, de la surpêche et des prédateurs, les enfants ont appris les défis auxquels font face les juvéniles et ont pris conscience de l'impact de nos actions sur leur environnement.

Ils ont également participé à un jeu d'association auditive permettant aux petits explorateurs de tester leurs connaissances sur les sons des animaux aquatiques.

Durant cette journée, un autre groupe participait à un nettoyage de la plage puis à l'identification des déchets ramassés.

« À travers ces ateliers, nous encourageons la sensibilisation des plus jeunes sur les sujets environnementaux de demain. Nous mettons en avant les bonnes pratiques pouvant être adoptées par les petits comme les grands ! » conclut Walter Bignon adjoint délégué à la Jeunesse et à la transition écologique.

A propos d'Ecocean

Ecocean est une entreprise française pionnière qui agit et innove en faveur de la biodiversité aquatique. Elle a développé un savoir-faire unique, celui de la collecte et de l'élevage de post-larves dans des Biohut pour une valorisation durable de la ressource marine et la conservation de la biodiversité des écosystèmes marins.



Éveil écologique : Les jeunes Marseillanais s'engagent pour l'environnement pendant les vacances scolaires (thau-infos.fr)

THAU INFOS

LE QUOTIDIEN DU PAYS DE THAU

ÉVEIL ÉCOLOGIQUE : LES JEUNES MARSEILLANAIS S'ENGAGENT POUR L'ENVIRONNEMENT PENDANT LES VACANCES SCOLAIRES



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06 mars 2024

N&Y

[Marina Menorca \(nauticayyates.com\)](http://nauticayyates.com)



BARCOS NAVIGACIÓN EQUIPO E-BOATING REMOLCABLE EL FORQUILLA

Un proyecto pionero en sostenibilidad en el puerto de Maó



Las obras del proyecto se podrán iniciar en octubre del 2024 para dejarlas terminadas antes del inicio de la temporada de 2025.

Con la nueva concesión de los amarres en la zona de Sa Colàrsega y la demolición de la instalación actual y su reconstrucción desde cero Marina Menorca emprende un proyecto que la convertirá en una de las marinas más ecológicas y sostenibles del Mediterráneo, marcando un hito con innovadoras prácticas ambientales.

El compromiso con la sostenibilidad y la responsabilidad social corporativa (RSC) se materializará al alinearse con los [17 Objetivos de Desarrollo Sostenible de las Naciones Unidas](#). Con este objetivo se instalarán 260 placas solares que generarán 198.000 kW al año, y las eco torretas Inteligentes [Marconn](#), además de dos desaladoras para garantizar la autosuficiencia en el suministro de agua, con una producción de 96 m³ al día y con una capacidad de almacenaje de 40 m³, permitiendo el lavado de embarcaciones con agua desalinizada. También se instalarán nuevos pantalanes pilotados, desapareciendo así las actuales guías de amarre, por lo que las embarcaciones amarrarán en fingers.

La recogida selectiva de residuos, con contenedores inteligentes alimentados por placas solares, y el sistema de alcantarillado por vacío [Flovac](#) de aspiración de aguas negras directamente de las embarcaciones, contribuirán al cuidado del entorno acuático y las embarcaciones de marinería serán eléctricas.

Marina Menorca ofrecerá tarifas sociales para barcos de hasta 8 metros y el servicio de agua y electricidad se facturará estrictamente a precio de mercado, sin ningún incremento ni margen de beneficio.

Entre las otras tecnologías innovadoras que incorporará la marina se encuentran el robot acuático [Jellyfishbot](#) para la limpieza de residuos flotantes, un sistema de sensores contra incendios y el procedimiento de anticontaminación en recintos portuarios a través del Sistema [O2 Marine](#) que posibilita la oxigenación del agua y la contención de residuos. Para la restauración ecológica del ecosistema marítimo de la zona de Sa Colàrsega se instalarán 15 zonas de refugio y alimentación Biohut para la recuperación de la fauna marina, con un seguimiento por parte de la empresa Ecocean, especialistas en la recuperación de recursos y ecosistemas marinos. También se instalará un [Observatorio Marino de la UNESCO – Ocean Decade](#) por parte de la Universidad de Alicante.

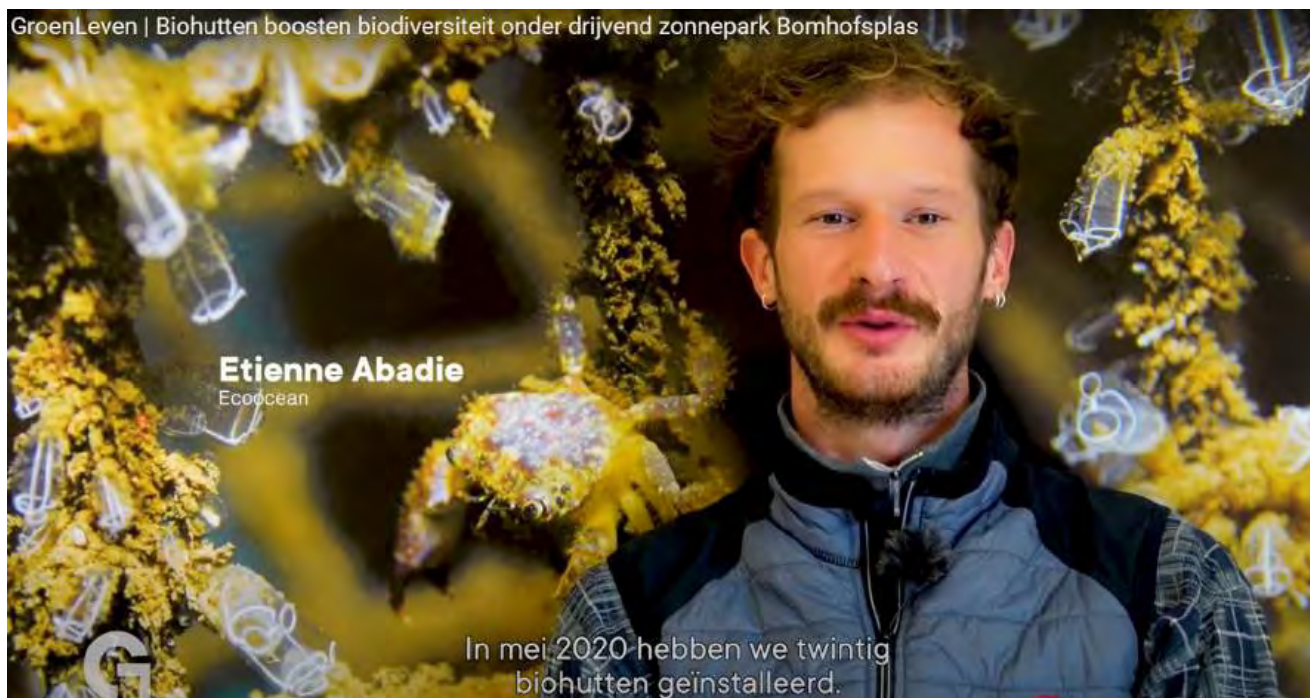


02 février 2024

GroenLeven

GroenLeven | Biohutten boosten biodiversiteit onder drijvend zonnepark

BomhofspLas - YouTube



19 janvier 2024

Ship management

[AD Ports Group and CMA CGM join forces with Ecocean to preserve marine biodiversity at Khalifa Port \(shipmanagementinternational.com\)](https://www.shipmanagementinternational.com)

SHIP
MANAGEMENT
INTERNATIONAL

AD Ports Group and CMA CGM join forces with Ecocean to preserve marine biodiversity at Khalifa Port

AD Ports Group, CMA CGM Group and Ecocean, an innovative company serving aquatic biodiversity, have signed a scientific cooperation framework agreement that will see the installation of 48 Biohuts in Khalifa Port.

Designed to restore biodiversity and promote marine life in coastal and harbour areas, the Biohut module is a submerged structure that provides a safe and supportive habitat for marine life to thrive. The modules are specially designed to provide a refuge and breeding ground for a variety of marine species, including fish, crustaceans, and other marine life essential to the health of coastal ecosystems, particularly in environments where it has been disturbed or damaged by human activity.

Biohut® modules come in the form of modular cages, made from eco-friendly, non-toxic materials, offering a solid, protective structure for marine wildlife while minimising its impact on the environment. These structures will be deployed in specific areas of Khalifa Port, where marine life needs support and regeneration. The Biohuts® will be installed in the port in Q1 2024, at the CMA CGM's future terminal, which is currently under construction. This pilot phase will last 5 years with the inclusion of a monitoring part.

This project is part of both parties' long-term commitment to marine and terrestrial biodiversity, based on key pillars, including reducing the impact of its activities, restoring fragile ecosystems, protecting endangered species, and supporting research and innovation. By integrating responsible management practices, marine conservation and environmental innovation, marine biodiversity and oceans' fragile ecosystems can be preserved.

David Gatward, Chief Engineering & Technical Services Officer, said: "We understand that the infrastructure we develop serves our economy, industry, and community. Simultaneously, maintaining biodiversity is crucial for life-sustaining processes. At AD Ports Group ETS, we design with sustainability in mind and retrofit existing structures to ensure a sustainable legacy for the local community. It's vital to adapt our infrastructure to enhance environmental conditions while consciously designing new projects with sustainability as a primary consideration."

In recognition of its long-term environmental sustainability strategy, AD Ports Group has been awarded the Best Sustainability Initiative Award at the ADSC Awards 2023. The award underscores the Group's innovative and strategic approach to preserving and enhancing the Ras Chanada Coral Reef – a cornerstone of marine biodiversity in the UAE and the Gulf region. Additionally, this year, KEZAD Group, part of AD Ports Group, earned the prestigious United Nations Investment Promotion Awards 2023, acknowledging their significant role in attracting investment in renewable energy and clean technologies.

Furthermore, AD Ports Group is developing Sustainable Design Guidelines, which aim to standardise the infrastructure design process from a sustainability perspective and maximise environmental benefits.

Aware of its role and responsibility towards the environment, CMA CGM Group has chosen not to carry any plastic waste on board its ships since 2022, as part of their commitment to protecting biodiversity and reduce its environmental footprint. CMA CGM has also redesigned the shipping routes of its container ships to take into account cetacean breeding and migration areas, and when this is not possible, requires its ships to reduce speed to a maximum of 10 knots in certain areas recognised as whale breeding grounds.

CMA CGM Group has also long been involved in biodiversity protection and restoration projects around the world, particularly in the Middle East. Aware of the importance of coral reefs for humanity, the Group is involved in a coral reef restoration project in the United Arab Emirates.

Félix de Carpentier, Group Vice President – Sustainability, CMA CGM, said: "Preserving biodiversity is part of CMA CGM 'Acting for Planet' pillar, at the heart of the Group's sustainability commitments. We have been working for years with experts to better understand the mechanisms of its preservation and support protection and restoration projects which contribute to reducing human activities environmental footprint. Given the scale of the challenge, we strongly believe that 'getting on board' with our partners will speed up our action, and we're delighted with this first example of collaboration with Ecocean in Abu Dhabi, which we hope to replicate in other countries."

Ahmad Al Khayat, Acting Senior Vice President – Innovation, AD Ports Group, said: "We are delighted to launch this project with CMA and CGM and Ecocean. As a Group, we recognise that through thoughtful, innovative initiatives, we can actively and significantly boost biodiversity. Healthy ecosystems rich in biodiversity not only benefit human health, but also positively impact the economy. By installing biohuts at Khalifa Port, we aim to mitigate the environmental effects of construction. This reflects our commitment to environmental stewardship and our focus on innovation to foster environments where natural flora and fauna can prosper"

Khalifa Port, AD Ports Group's flagship deep-water port, is a multi-purpose, semi-automated port strategically located between Abu Dhabi and Dubai. Ranked 3rd globally on the 2022 Container Port Performance Index, it handles various types of cargo, providing links to over 90 international destinations and serves 25 major shipping lines. Khalifa Port is home to world-class terminals, including CSP Abu Dhabi Terminal, Autoterminal Khalifa Port, CMA Terminal and Abu Dhabi Terminals.

The CMA CGM Group maintains a strategic presence in the United Arab Emirates. Thanks to its privileged position in the shipping sector, CMA CGM plays an essential role in the region's connectivity and commercial development. With a regional office in Dubai, covering 43 countries in the region and several key ports in the United Arab Emirates, CMA CGM offers a complete range of sea transport, logistics and intermodal solutions. This local presence enables the company to meet the specific needs of its customers, support international trade and actively contribute to the region's economic growth by offering innovative solutions adapted to today's logistics challenges.



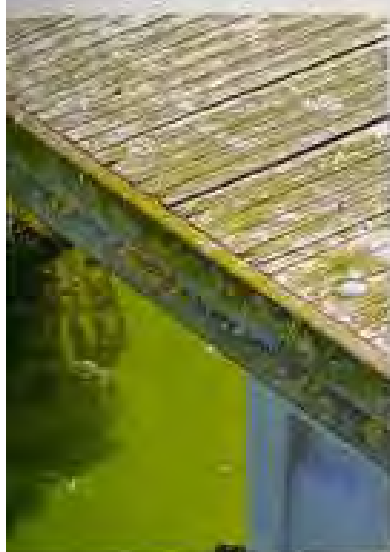
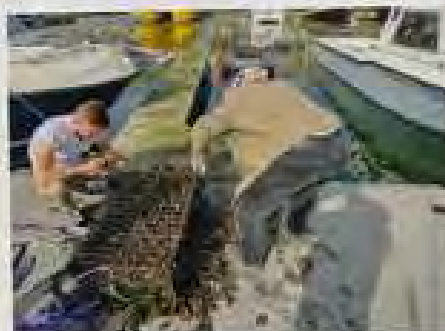
Pilot onderhoud

Doordat dit jaar het project en de subsidie/sponsoring daarvan aan het einde van de afgesproken looptijd is gekomen, was het de vraag of de biobuizen direct moesten worden verwijderd of dat de biobuizen nog een tijdje door konden worden onderhouden.

Omdat het een mooi en uniek deel van het Haagse grondgebied is, en de biobuizen bijdragen aan het welzijn van vissen in de Scheveningse Haven wordt er vanuit de commissie Haagse wateren van onze vereniging bekeken of het onderhoud in eigen beheer te doen is. Met Paul Eijerhand van de stichting Noordzeevin is daarom afgesproken om met een pilot uit te proberen of het onderhoud voor onze vrijwilligers uitvoerbaar is.

Eind september hebben we samen met Paul Eijerhand, en twee leden van de commissie Haagse wateren, Henk Baarbé en Marius van Kampen, en ontdekkende de eerste biobuut schoongemaakt. Veel geleerd hoe te handelen en met welke gereedschap. In deze kooi zaten ook hardertjes en vooral veel boterertjes. Daarnaast mosselen, oesters, krabbetjes, kokorwormen, zeevilt.

Paul Eijerhand begint met het opmaken van een biobuut



Biobuut onder een drijvende steiger



Henk Baarbé (links) en Marius van Kampen bewonderen de bewoning van de biobuut

19 janvier 2024

Sustainability middle east

[AD Ports Group and CMA CGM join forces with Ecocean to Preserve Marine Biodiversity at Khalifa Port \(sustainabilitymenews.com\)](https://sustainabilitymenews.com)



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AD Ports Group and CMA CGM join forces with Ecocean to Preserve Marine Biodiversity at Khalifa Port

Part of an ambitious strategy to develop innovative solutions for the preservation of biodiversity and restoration of marine ecosystems at Khalifa Port

AD Ports Group (ADX: ADPORTS), a leading facilitator of global trade, logistics, and industry, CMA CGM Group, a global player in maritime, land, air and logistics solutions, and Ecocean, an innovative company serving aquatic biodiversity, have signed a scientific cooperation framework agreement that will see the installation of 48 Biohuts in Khalifa Port.

Designed to restore biodiversity and promote marine life in coastal and harbour areas, the Biohut module is a submerged structure that provides a safe and supportive habitat for marine life to thrive.

The modules are specially designed to provide a refuge and breeding ground for a variety of marine species, including fish, crustaceans, and other marine life essential to the health of coastal ecosystems, particularly in environments where it has been disturbed or damaged by human activity.

Biohut® modules come in the form of modular cages, made from eco-friendly, non-toxic materials, offering a solid, protective structure for marine wildlife while minimising its impact on the environment. These structures will be deployed in specific areas of Khalifa Port, where marine life needs support and regeneration.

The Biohuts® will be installed in the port in Q1 2024, at the CMA CGM's future terminal, which is currently under construction. This pilot phase will last 5 years with the inclusion of a monitoring part.

This project is part of both parties' long-term commitment to marine and terrestrial biodiversity, based on key pillars, including reducing the impact of its activities, restoring fragile ecosystems, protecting endangered species, and supporting research and innovation.

By integrating responsible management practices, marine conservation and environmental innovation, marine biodiversity and oceans' fragile ecosystems can be preserved.

David Gatward, Chief Engineering & Technical Services Officer, said: "We understand that the infrastructure we develop serves our economy, industry, and community. Simultaneously, maintaining biodiversity is crucial for life-sustaining processes.

"At AD Ports Group ETS, we design with sustainability in mind and retrofit existing structures to ensure a sustainable legacy for the local community. It's vital to adapt our infrastructure to enhance environmental conditions while consciously designing new projects with sustainability as a primary consideration."

In recognition of its long-term environmental sustainability strategy, AD Ports Group, has been awarded the Best Sustainability Initiative Award at the AD SG Awards 2023. The award underscores the Group's innovative and strategic approach to preserving and enhancing the Ras Ghanada Coral Reef – a cornerstone of marine biodiversity in the UAE and the Gulf region.

Additionally, this year, KEZAD Group, part of AD Ports Group, earned the prestigious United Nations Investment Promotion Awards 2023, acknowledging their significant role in attracting investment in renewable energy and clean technologies.

Furthermore, AD Ports Group is developing Sustainable Design Guidelines, which aim to standardise the infrastructure design process from a sustainability perspective and maximise environmental benefits.

Aware of its role and responsibility towards the environment, CMA CGM Group has chosen not to carry any plastic waste on board its ships since 2022, as part of their commitment to protecting biodiversity and reduce its environmental footprint.

CMA CGM has also redesigned the shipping routes of its container ships to take into account cetacean breeding and migration areas, and when this is not possible, requires its ships to reduce speed to a maximum of 10 knots in certain areas recognised as whale breeding grounds.

CMA CGM Group has also long been involved in biodiversity protection and restoration projects around the world, particularly in the Middle East. Aware of the importance of coral reefs for humanity, the Group is involved in a coral reef restoration project in the United Arab Emirates.

Félix de Carpentier, Group Vice President - Sustainability, CMA CGM, said: "Preserving biodiversity is part of CMA CGM "Acting for Planet" pillar, at the heart of the Group's sustainability commitments. We have been working for years with experts to better understand the mechanisms of its preservation and support protection and restoration projects which contribute to reducing human activities environmental footprint.

"Given the scale of the challenge, we strongly believe that 'getting on board' with our partners will speed up our action, and we're delighted with this first example of collaboration with Ecocean in Abu Dhabi, which we hope to replicate in other countries."

Ahmad Al Khayat, Acting Senior Vice President - Innovation, AD Ports Group, said: "We are delighted to launch this project with CMA and CGM and Ecocean. As a Group, we recognise that through thoughtful, innovative initiatives, we can actively and significantly boost biodiversity.

"Healthy ecosystems rich in biodiversity not only benefit human health, but also positively impact the economy. By installing biohuts at Khalifa Port, we aim to mitigate the environmental effects of construction. This reflects our commitment to environmental stewardship and our focus on innovation to foster environments where natural flora and fauna can prosper."



19 janvier 2024

La région Occitanie

[Gilles Lecaillon, pionnier de la restauration écologique en milieu urbain - Région Occitanie / Pyrénées-Méditerranée \(laregion.fr\)](#)



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Gilles Lecaillon, pionnier de la restauration écologique en milieu urbain

L'entreprise, créée il y a 20 ans à Montpellier, lève 1,2 million d'euros pour accélérer son déploiement commercial. Lancée il y a 20 ans dans l'indifférence, Ecocean a développé un savoir-faire en matière de restauration des milieux aquatiques, aujourd'hui prisée.



Gilles Lecaillon, créateur de l'entreprise Ecocean

L'entreprise, créée il y a 20 ans à Montpellier, lève 1,2 million d'euros pour accélérer son déploiement commercial. Un coup d'accélérateur bienvenu.

Vritable pionnier dans la restauration des milieux aquatiques, Ecocean annonce fin novembre 2023 une levée de fonds d'1,2 million d'euros, auprès de la Banque des Territoires dans le cadre de France 2030, et de Sud Mer Invest, filiale de la Banque Populaire du Sud.

De quoi assurer le déploiement commercial de ses solutions innovantes, consistant à travailler sur les premiers stades de vie des poissons et animaux aquatiques, afin de restaurer la biodiversité dans les environnements côtiers. Avec un leitmotiv : « Développer des solutions durables, sans béton ni plastique, basées sur l'économie circulaire », déclare Gilles Lecaillon, fondateur-dirigeant, biologiste marin, expert internationalement reconnu en matière de restauration écologique marine.

Filière en pleine structuration

Ecocean s'appuie depuis deux décennies sur diverses solutions complémentaires qui redonnent des fonctionnalités écologiques positives à des infrastructures artificielles. Il s'agit de nurseries artificielles brevetées (habitats artificiels) fournissant le gîte, l'alimentation et la protection contre les prédateurs de post-larvés, de réensemencement à partir de la capture et de l'élevage de larves sauvages, d'installation de radeaux flottants végétalisés.

Un sens de l'anticipation qui est validé par le marché : « Une filière est en train de se mettre en place, indique l'expert à Occitanie News. De plus en plus de collectivités, ainsi que les pouvoirs publics et l'État, se rendent compte qu'il faut restaurer l'écosystème marin. Nous sentons cette dynamique, y compris au niveau du contexte réglementaire français et européen. »

Le parti pris consiste à s'adapter à l'existant, en misant sur une innovation solide : « Il existe 130 ports en Méditerranée française, entre Menton et Cerbère, avec des kilomètres de digues en enrochement. Nous ne sommes pas dans la posture : il n'aurait pas fallu qu'elles soient là », déclare Gilles Lecaillon. Mais nous avons démontré que l'on pouvait faire des choses écologiquement intéressantes et scientifiquement validées. C'est notre valeur ajoutée. Nous sommes des écologues, des scientifiques. Tout ce que nous proposons a fait l'objet de trois ou quatre ans de recherches au préalable. C'est trop facile, quand on est 100% l'eau, de vérifier que telle solution fonctionne, en s'appuyant sur une simple photo, alors que personne n'ira la vérifier »

Le marché des éoliennes offshore

« Grâce à l'intervention de la Région Occitanie, Ecocean va équiper, via le programme Littoral Plus, ses solutions d'habitat sur le flotteur d'une des trois éoliennes offshore du projet EFCL (Éoliennes Flottantes du Golfe du Lion), qui sera installée fin 2024 au large du littoral aulois. Sur ce type d'installation, « la complexité est augmentée. Il nous faut utiliser le même matériau que l'éolienne. Des animaux vivant dans la colonne d'eau se fixeront sur un substrat constitué d'acier et de coquilles d'huîtres. Cet habitat permet aux larves de se développer. Nous aidons les jeunes individus, présents en grande quantité, à trouver de quoi survivre, en étant protégés des prédateurs ».

Pour parvenir à ce résultat, rien n'a été laissé au hasard. Ecocean a ainsi installé au large de Leucate, entre juin 2019 et juin 2023, une bouée d'observation de la biodiversité, aux dimensions impressionnantes : 15 mètres de haut et 15 de large, pour un poids de 4 tonnes. « Cela nous a permis de comprendre ce qui allait se passer sur les futures éoliennes. Nous avons présenté les résultats observés, en octobre dernier, aux pêcheurs, au milieu universitaire, aux acteurs de la Réserve marine et aux services de l'État », explique-t-il.

Ecocean se positionne sur un marché des éoliennes offshore désormais mondial, en Écosse, en Norvège, aux États-Unis... « C'est un énorme travail à mener, pour s'attaquer à ce segment de marché porteur sur la prochaine décennie ». En France, Ecocean s'est ainsi positionné sur l'appel d'offres récent Sud Bretagne et sur les deux parcs commerciaux prévus en Méditerranée, en intégrant sa solution écologique dans les réponses des opérateurs.

Pour faire face à cette montée en puissance, la PME de 21 salariés a recruté un directeur commercial international, Stéphane Thiesis, un responsable communication, un commercial et un directeur des opérations qui va gérer la société aux côtés de Gilles Lecaillon. Ce dernier reste majoritaire au capital, avec les partenaires historiques et des amis qui ont investi en love money. « La récente levée de fonds est bien sûr importante, mais n'est pas une fin en soi. Depuis 20 ans, nous avons déjà investi des millions d'euros en fonds propres, mené des travaux avec des chercheurs de l'Université de Perpignan, de Nice... », conclut le plongeur professionnel.



17 janvier 2024

Daily Shipping Times

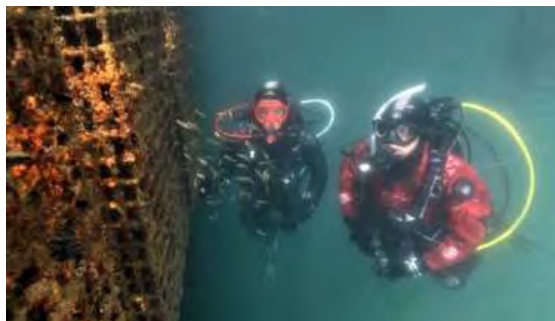
AD Ports Group and CMA CGM join forces with Ecocean to Preserve Marine Biodiversity at Khalifa Port - DST - Daily Shipping Times



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Khalifa Port, AD Ports Group's flagship deep-water port, is a multi-purpose, semi-automated port strategically located between Abu Dhabi and Dubai. Ranked 3rd globally on the 2022 Container Port Performance Index, it handles various types of cargo, providing links to over 90 international destinations and serves 25 major shipping lines. Khalifa Port is home to world-class terminals, including CSP Abu Dhabi Terminal, Autoterminal Khalifa Port, CMA Terminal and Abu Dhabi Terminals.



16 janvier 2024

Environnement et climate in the middle east

[Environment and Climate in the Middle East - 'Biohuts' at Khalifa Port in Abu Dhabi - Gulf News \(yorku.ca\)](#)

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'Biohuts' at Khalifa Port in Abu Dhabi – Gulf News



How collaboration between AD Ports, CMA CGM, and Ecocean leads to marine conservation

January 16, 2024 [Gulf News](#)

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Refuge, breeding ground

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Egypt Gazette

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Emirates News Online

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CPG

AD Ports, CMA CGM, Ecocean e a Renovação do Porto de Khalifa: uma nova era de desenvolvimento e crescimento. - CPG Click Petróleo e Gas



AD Ports, CMA CGM, Ecocean e a Renovação do Porto de Khalifa: uma nova era de desenvolvimento e crescimento.

AD Ports Group e CMA CGM Group unem-se em aliança portuária para preservação da biodiversidade, com projeto piloto de módulos Biohut.

O Terminal Khalifa, localizado nos Emirados Árabes Unidos, é alvo de uma nova parceria entre a operadora portuária AD Ports Group e o grupo marítimo francês CMA CGM Group, juntamente com a Ecocean. Esta colaboração visa promover a biodiversidade aquática no Porto de Khalifa, instalando 48 Biohuts para criar um ecossistema vibrante **condições ambientais**.

O Porto Khalifa está se preparando para receber os Biohuts, estruturas subaquáticas projetadas para abrigar a vida marinha e promover a biodiversidade nas áreas costeiras e portuárias. Feitas com materiais não tóxicos e ecológicos, essas gaiolas modulares fornecem um refúgio seguro para várias espécies marinhas, contribuindo para a recuperação dos ecossistemas costeiros danificados. A parceria entre as empresas é fundamental para revitalizar o ecossistema marinho e promover um ambiente mais sustentável no Porto Khalifa.

O compromisso do Porto de Khalifa com a preservação da biodiversidade

Essas estruturas serão implantadas em áreas específicas do Porto de Khalifa, onde a vida marinha precisa de apoio e regeneração. Programado para instalação no primeiro trimestre de 2024 no próximo terminal da CMA CGM, este **projeto piloto** de cinco anos inclui uma fase de monitoramento abrangente.

Essa iniciativa reflete o **compromisso de longo prazo** do Grupo AD Ports e do Grupo CMA CGM com a biodiversidade marinha e terrestre. A sua estratégia gira em torno da redução do impacto das atividades humanas, da restauração de ecossistemas frágeis, da proteção de espécies ameaçadas e da promoção da investigação e inovação.

A infraestrutura portuária baseada na sustentabilidade do Porto de Khalifa

*'Entendemos que a **infraestrutura que desenvolvemos** atende à nossa economia, indústria e comunidade. Simultaneamente, a manutenção da biodiversidade é crucial para os processos de sustentação da vida. No AD Ports Group ETS, projetamos com a sustentabilidade em mente e reformamos as estruturas existentes para garantir um legado sustentável para a comunidade local.'* David Gatward, Diretor de Engenharia e Serviços Técnicos da AD Ports Group, disse.

*'É vital adaptar nossa infraestrutura para melhorar as **condições ambientais** e, ao mesmo tempo, projetar conscientemente novos projetos tendo a sustentabilidade como consideração principal.'*

O compromisso do Grupo CMA CGM com a preservação da biodiversidade

O Grupo CMA CGM, consciente da sua responsabilidade ambiental, absteve-se de transportar qualquer **resíduo plástico** nos seus navios desde 2022. As rotas marítimas dos seus navios porta-contentores foram redesenhadas para considerar áreas de reprodução e migração de cetáceos, demonstrando uma dedicação em minimizar a sua pegada ambiental.

O Grupo CMA CGM também está envolvido há muito tempo em projetos de proteção e restauração da biodiversidade em todo o mundo, especialmente no Oriente Médio.

'Preservar a biodiversidade faz parte do pilar 'Agir pelo Planeta' da CMA CGM, que está no centro dos compromissos de sustentabilidade do Grupo. Há anos que trabalhamos com especialistas para compreender melhor os mecanismos da sua preservação e apoiar projetos de proteção e restauração que contribuam para reduzir a pegada ambiental das atividades humanas.' Félix de Carpentier, vice-presidente do grupo – Sustentabilidade, CMA CGM, disse.

'Dado o escopo do desafio, acreditamos firmemente que 'embarcar' com os nossos parceiros irá acelerar a nossa acção, e estamos muito satisfeitos com este primeiro exemplo de colaboração com a Ecocean em Abu Dhabi, que esperamos replicar em outros países.'

A promoção de ambientes sustentáveis pelo Porto de Khalifa

'Ecossistemas saudáveis e ricos em biodiversidade não só beneficiam a saúde humana, mas também impactam positivamente a economia. Ao instalar biocharnas no Porto de Khalifa, pretendemos mitigar os efeitos ambientais da construção. Isso reflete nosso compromisso com a gestão ambiental e nosso foco na inovação para promover ambientes onde a flora e a fauna naturais possam prosperar.' Ahmad Al Khayat, vice-presidente sênior em exercício – Inovação, AD Ports Group, disse.

A importância estratégica do Porto de Khalifa

O Porto de Khalifa, principal porto de águas profundas do AD Ports Group, é um porto multifuncional semiautomático estrategicamente localizado entre Abu Dhabi e Dubai. Classificada em 3º lugar globalmente no Índice de Desempenho Portuário de Contêineres de 2022, movimenta diversos tipos de carga, fornecendo conexões para mais de 90 destinos internacionais e atendendo 25 grandes companhias marítimas. O Porto de Khalifa abriga terminais de classe mundial, incluindo o Terminal CSP Abu Dhabi, o Porto Autoterminal Khalifa, o Terminal CMA e os Terminais Abu Dhabi.



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Félix de Carpentier, Group Vice President – Sustainability, CMA CGM, said, 'Preserving biodiversity is part of CMA CGM 'Acting for Planet' pillar, at the heart of the Group's sustainability commitments. We have been working for years with experts to better understand the mechanisms of its preservation and support protection and restoration projects which contribute to reducing human activities' environmental footprint.'



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AD Ports And CMA CGM Partner With Ecocean For Marine Biodiversity At Khalifa Port

AD Ports Group, CMA CGM Group, and Ecocean have entered into a scientific cooperation framework agreement.

Biohuts will be strategically placed in Khalifa Port's identified areas requiring support and regeneration.

The project aims to integrate responsible management practices, marine conservation, and environmental innovation.

Key pillars include mitigating the impact of activities, rejuvenating fragile ecosystems, safeguarding endangered species, and promoting research and innovation.

Strategic Partnership For Marine Conservation

AD Ports Group has joined forces with CMA CGM Group and Ecocean, an innovative company dedicated to aquatic biodiversity. The three parties have formalized a scientific cooperation framework agreement to introduce 48 Biohuts at Khalifa Port in UAE.

The Biohut module, designed to enhance biodiversity and foster marine life in coastal and harbor areas, is an underwater structure providing a secure habitat for marine species to flourish. Specifically crafted to serve as a refuge and breeding ground for various marine life, including fish, crustaceans, and other essential species for coastal ecosystems, the Biohut plays a crucial role in areas impacted by human activities.

Additionally, constructed as modular cages using eco-friendly, non-toxic materials, the Biohut modules offer a sturdy, protective environment for marine wildlife while minimizing their ecological footprint. These structures will be strategically placed in Khalifa Port's identified areas requiring support and regeneration. The deployment of Biohuts at the port is scheduled for Q1 2024, particularly at CMA CGM's upcoming terminal, currently in the construction phase. The initial phase will span five years, inclusive of a monitoring component.

Sustaining Biodiversity

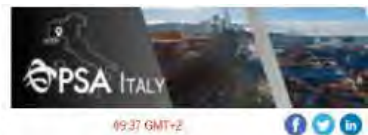
According to a statement, this initiative aligns with the long-term commitment of both parties to marine and terrestrial biodiversity, focusing on key pillars such as mitigating the impact of activities, rejuvenating fragile ecosystems, safeguarding endangered species, and promoting research and innovation. By integrating responsible management practices, marine conservation, and environmental innovation, the project aims to preserve marine biodiversity and the delicate ecosystems of our oceans.



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[BRIEFS \(informare.it\)](http://BRIEFS.informare.it)



AD Ports and CMA CGM partner with Ecocean to maintain marine biodiversity at Khalifa Port

AD Ports Group has joined forces with CMA CGM Group and Ecocean, an innovative company dedicated to aquatic biodiversity. The three parties have formalized a scientific cooperation framework agreement to introduce 48 Biohuts at Khalifa Port in UAE. The Biohut module, designed to enhance biodiversity and foster marine life in coastal and harbour areas, is an underwater structure providing a secure



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UAE

['Biohuts' at Khalifa Port in Abu Dhabi: How collaboration between AD Ports, CMA CGM, and Ecocean leads to marine conservation | Environment - Gulf News](#)

UAE

People Science Government Education Crime Emergencies **Environment**

'Biohuts' at Khalifa Port in Abu Dhabi: How collaboration between AD Ports, CMA CGM, and Ecocean leads to marine conservation



Abu Dhabi: AD Ports Group, a leading facilitator of global trade, logistics, and industry, CMA CGM Group, a global player in maritime, land, air and logistics solutions, and Ecocean, an innovative company serving aquatic biodiversity, have signed a scientific cooperation framework agreement that will see the installation of 48 Biohuts in Khalifa Port.

Designed to restore biodiversity and promote marine life in coastal and harbour areas, the Biohut module is a submerged structure that provides a safe and supportive habitat for marine life to thrive.

Refuge, breeding ground

The modules are specially designed to provide a refuge and breeding ground for a variety of marine species, including fish, crustaceans, and other marine life essential to the health of coastal ecosystems, particularly in environments where it has been disturbed or damaged by human activity.

Biohut modules come in the form of modular cages, made from eco-friendly, non-toxic materials, offering a solid, protective structure for marine wildlife while minimising its impact on the environment.

These structures will be deployed in specific areas of Khalifa Port, where marine life needs support and regeneration.

Biodiversity

The Biohuts will be installed in the port in Q1 2024, at the CMA CGM's future terminal, which is currently under construction. This pilot phase will last 5 years with the inclusion of a monitoring part.

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David Gatward, Chief Engineering and Technical Services Officer, AD Ports Group, said: "We understand that the infrastructure we develop serves our economy, industry, and community. Simultaneously, maintaining biodiversity is crucial for life-sustaining processes.

"At AD Ports Group ETS, we design with sustainability in mind and retrofit existing structures to ensure a sustainable legacy for the local community. It's vital to adapt our infrastructure to enhance environmental conditions while consciously designing new projects with sustainability as a primary consideration."

Félix de Carpentier, Group Vice President - Sustainability, CMA CGM, said: "Preserving biodiversity is part of CMA CGM 'Acting for Planet' pillar, at the heart of the Group's sustainability commitments.

"We have been working for years with experts to better understand the mechanisms of its preservation and support protection and restoration projects which contribute to reducing human activities' environmental footprint."

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Transport & Logistics

[AD Ports Group and CMA CGM to Preserve Marine Biodiversity at Khalifa Port](#)
(transportandlogisticsme.com)



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AD Ports Group and CMA CGM to Help Preserve Marine Biodiversity at Khalifa Port

AD Ports Group, CMA CGM Group, and Ecocean, an innovative company serving aquatic biodiversity, have signed a scientific cooperation framework agreement that will see the installation of 48 Biohuts in Khalifa Port.

Designed to restore biodiversity and promote marine life in coastal and harbour areas, the Biohut module is a submerged structure that provides a safe and supportive habitat for marine life to thrive.

The modules are specially designed to provide a refuge and breeding ground for a variety of marine species, including fish, crustaceans, and other marine life essential to the health of coastal ecosystems, particularly in environments where it has been disturbed or damaged by human activity.

Biohut[®] modules come in the form of modular cages, made from eco-friendly, non-toxic materials, offering a solid, protective structure for marine wildlife while minimising its impact on the environment.

[Mawani, CMA CGM Group Lay Foundation for Logistics Park at Jeddah Islamic Port](#)

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The Biohuts[®] will be installed in the port in Q1 2024, at the CMA CGM's future terminal, which is currently under construction. This pilot phase will last 5 years with the inclusion of a monitoring part.

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CMA CGM has redesigned the shipping routes of its container ships to take into account cetacean breeding and migration areas, and when this is not possible, requires its ships to reduce speed to a maximum of 10 knots in certain areas recognised as whale breeding grounds.

CMA CGM Group has also long been involved in biodiversity protection and restoration projects around the world, particularly in the Middle East.

Félix de Carpentier, Group Vice President - Sustainability, CMA CGM, said: "Preserving biodiversity is part of CMA CGM "Acting for Planet" pillar, at the heart of the Group's sustainability commitments.

"We have been working for years with experts to better understand the mechanisms of its preservation and support protection and restoration projects which contribute to reducing human activities environmental footprint."

Ahmad Al Khayat, Acting Senior Vice President - Innovation, AD Ports Group, said: "We are delighted to launch this project with CMA and CGM and Ecocean. As a Group, we recognise that through thoughtful, innovative initiatives, we can actively and significantly boost biodiversity."

Khalifa Port, AD Ports Group's flagship deep-water port, is a multi-purpose, semi-automated port strategically located between Abu Dhabi and Dubai.

Ranked 3rd globally on the 2022 Container Port Performance Index, it handles various types of cargo, providing links to over 90 international destinations and serves 25 major shipping lines.

Khalifa Port is home to CSP Abu Dhabi Terminal, Autoterminal Khalifa Port, CMA Terminal and Abu Dhabi Terminals.



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Indian Shipping News

AD Ports Group and CMA CGM join forces with Ecocean to Preserve Marine Biodiversity at Khalifa Port - India Shipping News



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AD Ports Group and CMA CGM join forces with Ecocean to Preserve Marine Biodiversity at Khalifa Port

ABU DHABI: **AD Ports Group**, a leading facilitator of global trade, logistics, and industry, **CMA CGM Group**, a global player in maritime, land, air and logistics solutions, and **Ecocean**, an innovative company serving aquatic biodiversity, have signed a scientific cooperation framework agreement that will see the installation of 48 Biohuts in **Khalifa Port**.

Designed to restore biodiversity and promote marine life in coastal and harbour areas, the Biohut module is a submerged structure that provides a safe and supportive habitat for marine life to thrive. The modules are specially designed to provide a refuge and breeding ground for a variety of marine species, including fish, crustaceans, and other marine life essential to the health of coastal ecosystems, particularly in environments where it has been disturbed or damaged by human activity.

Biohut® modules come in the form of modular cages, made from eco-friendly, non-toxic materials, offering a solid, protective structure for marine wildlife while minimising its impact on the environment. These structures will be deployed in specific areas of Khalifa Port, where marine life needs support and regeneration. The Biohuts® will be installed in the port in Q1 2024, at the CMA CGM's future terminal, which is currently under construction. This pilot phase will last 5 years with the inclusion of a monitoring part.

This project is part of both parties' long-term commitment to marine and terrestrial biodiversity, based on key pillars, including reducing the impact of its activities, restoring fragile ecosystems, protecting endangered species, and supporting research and innovation. By integrating responsible management practices, marine conservation and environmental innovation, marine biodiversity and oceans' fragile ecosystems can be preserved.

David Gatward, Chief Engineering & Technical Services Officer, said: "We understand that the infrastructure we develop serves our economy, industry, and community. Simultaneously, maintaining biodiversity is crucial for life-sustaining processes. At AD Ports Group ETS, we design with sustainability in mind and retrofit existing structures to ensure a sustainable legacy for the local community. It's vital to adapt our infrastructure to enhance environmental conditions while consciously designing new projects with sustainability as a primary consideration."

In recognition of its long-term environmental sustainability strategy, AD Ports Group, has been awarded the Best Sustainability Initiative Award at the AD SG Awards 2023. The award underscores the Group's innovative and strategic approach to preserving and enhancing the Ras Ghanada Coral Reef – a cornerstone of marine biodiversity in the UAE and the Gulf region. Additionally, this year, **KEZAD Group**, part of AD Ports Group, earned the prestigious United Nations Investment Promotion Awards 2023, acknowledging their significant role in attracting investment in renewable energy and clean technologies.

Furthermore, AD Ports Group is developing Sustainable Design Guidelines, which aim to standardise the infrastructure design process from a sustainability perspective and maximise environmental benefits.

Aware of its role and responsibility towards the environment, CMA CGM Group has chosen not to carry any plastic waste on board its ships since 2022, as part of their commitment to protecting biodiversity and reduce its environmental footprint. CMA CGM has also redesigned the shipping routes of its container ships to take into account cetacean breeding and migration areas, and when this is not possible, requires its ships to reduce speed to a maximum of 10 knots in certain areas recognised as whale breeding grounds.

CMA CGM Group has also long been involved in biodiversity protection and restoration projects around the world, particularly in the Middle East. Aware of the importance of coral reefs for humanity, the Group is involved in a coral reef restoration project in the United Arab Emirates.

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The CMA CGM Group maintains a strategic presence in the United Arab Emirates. Thanks to its privileged position in the shipping sector, CMA CGM plays an essential role in the region's connectivity and commercial development. With a regional office in Dubai, covering 43 countries in the region and several key ports in the United Arab Emirates, CMA CGM offers a complete range of sea transport, logistics and intermodal solutions. This local presence enables the company to meet the specific needs of its customers, support international trade and actively contribute to the region's economic growth by offering innovative solutions adapted to today's logistics challenges.



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Partners Come Together to Preserve Marine Biodiversity at Khalifa Port

AD Ports Group, CMA CGM Group and Ecocean have signed a scientific cooperation framework agreement that will see the installation of 48 Biohuts in Khalifa Port.

Designed to restore biodiversity and promote marine life in coastal and harbor areas, the Biohut module is a submerged structure that provides a safe and supportive habitat for marine life to thrive. The modules are specially designed to provide a refuge and breeding ground for a variety of marine species, including fish, crustaceans, and other marine life essential to the health of coastal ecosystems, particularly in environments where it has been disturbed or damaged by human activity.

Biohut modules come in the form of modular cages, made from eco-friendly, non-toxic materials, offering a solid, protective structure for marine wildlife while minimizing its impact on the environment. These structures will be deployed in specific areas of Khalifa Port, where marine life needs support and regeneration. The Biohuts will be installed in the port in Q1 2024, at the CMA CGM's future terminal, which is currently under construction. This pilot phase will last 5 years with the inclusion of a monitoring part.

This project is part of both parties' long-term commitment to marine and terrestrial biodiversity, based on key pillars, including reducing the impact of its activities, restoring fragile ecosystems, protecting endangered species, and supporting research and innovation. By integrating responsible management practices, marine conservation and environmental innovation, marine biodiversity and oceans' fragile ecosystems can be preserved.

David Gatward, Chief Engineering & Technical Services Officer, said, "We understand that the infrastructure we develop serves our economy, industry, and community. Simultaneously, maintaining biodiversity is crucial for life-sustaining processes. At AD Ports Group ETS, we design with sustainability in mind and retrofit existing structures to ensure a sustainable legacy for the local community. It's vital to adapt our infrastructure to enhance environmental conditions while consciously designing new projects with sustainability as a primary consideration."

In recognition of its long-term environmental sustainability strategy, AD Ports Group has been awarded the Best Sustainability Initiative Award at the AD SG Awards 2023. The award underscores the Group's innovative and strategic approach to preserving and enhancing the Ras Ghanada Coral Reef – a cornerstone of marine biodiversity in the UAE and the Gulf region. Additionally, this year, KEZAD Group, part of AD Ports Group, earned the prestigious United Nations Investment Promotion Awards 2023, acknowledging their significant role in attracting investment in renewable energy and clean technologies.

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Aware of its role and responsibility towards the environment, CMA CGM Group has chosen not to carry any plastic waste on board its ships since 2022, as part of their commitment to protecting biodiversity and reduce its environmental footprint. CMA CGM has also redesigned the shipping routes of its container ships to take into account cetacean breeding and migration areas, and when this is not possible, requires its ships to reduce speed to a maximum of 10 knots in certain areas recognized as whale breeding grounds.

CMA CGM Group has also long been involved in biodiversity protection and restoration projects around the world, particularly in the Middle East. Aware of the importance of coral reefs for humanity, the Group is involved in a coral reef restoration project in the United Arab Emirates.

Félix de Carpentier, Group Vice President – Sustainability, CMA CGM, said, "Preserving biodiversity is part of CMA CGM "Acting for Planet" pillar, at the heart of the Group's sustainability commitments. We have been working for years with experts to better understand the mechanisms of its preservation and support protection and restoration projects which contribute to reducing human activities environmental footprint. Given the scale of the challenge, we strongly believe that 'getting on board' with our partners will speed up our action, and we're delighted with this first example of collaboration with Ecocean in Abu Dhabi, which we hope to replicate in other countries."

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The Gulf Time

Partners Come Together To Preserve Marine Biodiversity

(marinetechnews.com)

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Partners Come Together to Preserve Marine Biodiversity at Khalifa Port

AD Ports Group, CMA CGM Group and Ecocean have signed a scientific cooperation framework agreement that will see the installation of 48 Biohuts in Khalifa Port.

Designed to restore biodiversity and promote marine life in coastal and harbor areas, the Biohut module is a submerged structure that provides a safe and supportive habitat for marine life to thrive. The modules are specially designed to provide a refuge and breeding ground for a variety of marine species, including fish, crustaceans, and other marine life essential to the health of coastal ecosystems, particularly in environments where it has been disturbed or damaged by human activity.

Biohut modules come in the form of modular cages, made from eco-friendly, non-toxic materials, offering a solid, protective structure for marine wildlife while minimizing its impact on the environment. These structures will be deployed in specific areas of Khalifa Port, where marine life needs support and regeneration. The Biohuts will be installed in the port in Q1 2024, at the CMA CGM's future terminal, which is currently under construction. This pilot phase will last 5 years with the inclusion of a monitoring part.

This project is part of both parties' long-term commitment to marine and terrestrial biodiversity, based on key pillars, including reducing the impact of its activities, restoring fragile ecosystems, protecting endangered species, and supporting research and innovation. By integrating responsible management practices, marine conservation and environmental innovation, marine biodiversity and oceans' fragile ecosystems can be preserved.

David Gatward, Chief Engineering & Technical Services Officer, said, "We understand that the infrastructure we develop serves our economy, industry, and community. Simultaneously, maintaining biodiversity is crucial for life-sustaining processes. At AD Ports Group ETS, we design with sustainability in mind and retrofit existing structures to ensure a sustainable legacy for the local community. It's vital to adapt our infrastructure to enhance environmental conditions while consciously designing new projects with sustainability as a primary consideration."

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The Gulf Time

AD Ports, CMA CGM, Ecocean join forces to preserve marine biodiversity at
Khalifa Port - The Gulf Time Newspaper

THE GULF TIME

AD PORTS, CMA CGM, ECOCEAN JOIN FORCES TO PRESERVE MARINE BIODIVERSITY AT KHALIFA PORT



ABU DHABI/ WAM

AD Ports Group, a leading facilitator of global trade, logistics, and industry, CMA CGM Group, a global player in maritime, land, air and logistics solutions, and Ecocean, an innovative company serving aquatic biodiversity, have signed a scientific cooperation framework agreement that will see the installation of 48 Biohuts in Khalifa Port.

Designed to restore biodiversity and promote marine life in coastal and harbour areas, the Biohut module is a submerged structure that provides a safe and supportive habitat for marine life to thrive. The modules are specially designed to provide a refuge and breeding ground for a variety of marine species, including fish, crustaceans, and other marine life essential to the health of coastal ecosystems, particularly in environments where it has been disturbed or damaged by human activity.

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Container News

[AD Ports and CMA CGM partner with Ecocean to maintain marine biodiversity at Khalifa Port - Container News \(container-news.com\)](#)



AD Ports and CMA CGM partner with Ecocean to maintain marine biodiversity at Khalifa Port

AD Ports Group has joined forces with CMA CGM Group and Ecocean, an innovative company dedicated to aquatic biodiversity. The three parties have formalized a scientific cooperation framework agreement to introduce 48 Biohuts at Khalifa Port in UAE.

The Biohut module, designed to enhance biodiversity and foster marine life in coastal and harbour areas, is an underwater structure providing a secure habitat for marine species to flourish. Specifically crafted to serve as a refuge and breeding ground for various marine life, including fish, crustaceans, and other essential species for coastal ecosystems, the Biohut plays a crucial role in areas impacted by human activities.

Additionally, constructed as modular cages using eco-friendly, non-toxic materials, the Biohut modules offer a sturdy, protective environment for marine wildlife while minimizing their ecological footprint. These structures will be strategically placed in Khalifa Port's identified areas requiring support and regeneration. The deployment of Biohuts at the port is scheduled for Q1 2024, particularly at CMA CGM's upcoming terminal, currently in the construction phase. The initial phase will span five years, inclusive of a monitoring component.

According to a statement, this initiative aligns with the long-term commitment of both parties to marine and terrestrial biodiversity, focusing on key pillars such as mitigating the impact of activities, rejuvenating fragile ecosystems, safeguarding endangered species, and promoting research and innovation. By integrating responsible management practices, marine conservation, and environmental innovation, the project aims to preserve marine biodiversity and the delicate ecosystems of our oceans.

"We understand that the infrastructure we develop serves our economy, industry, and community. Simultaneously, maintaining biodiversity is crucial for life-sustaining processes. At AD Ports Group ETS, we design with sustainability in mind and retrofit existing structures to ensure a sustainable legacy for the local community. It's vital to adapt our infrastructure to enhance environmental conditions while consciously designing new projects with sustainability as a primary consideration," stated David Gatward, chief engineering & technical services officer.



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Port News in information waves

[AD Ports Group and CMA CGM join forces with Ecocean to Preserve Marine Biodiversity at Khalifa Port \(portnews.ru\)](#)



AD Ports Group and CMA CGM join forces with Ecocean to Preserve Marine Biodiversity at Khalifa Port

AD Ports Group, a leading facilitator of global trade, logistics, and industry, CMA CGM Group, a global player in maritime, land, air and logistics solutions, and Ecocean, an innovative company serving aquatic biodiversity, have signed a scientific cooperation framework agreement that will see the installation of 48 Biohuts in Khalifa Port, according to the company's release.



Designed to restore biodiversity and promote marine life in coastal and harbour areas, the Biohut module is a submerged structure that provides a safe and supportive habitat for marine life to thrive. The modules are specially designed to provide a refuge and breeding ground for a variety of marine species, including fish, crustaceans, and other marine life essential to the health of coastal ecosystems, particularly in environments where it has been disturbed or damaged by human activity.

Biohut modules come in the form of modular cages, made from eco-friendly, non-toxic materials, offering a solid, protective structure for marine wildlife while minimising its impact on the environment. These structures will be deployed in specific areas of Khalifa Port, where marine life needs support and regeneration. The Biohuts will be installed in the port in Q1 2024, at the CMA CGM's future terminal, which is currently under construction. This pilot phase will last 5 years with the inclusion of a monitoring part.

This project is part of both parties' long-term commitment to marine and terrestrial biodiversity, based on key pillars, including reducing the impact of its activities, restoring fragile ecosystems, protecting endangered species, and supporting research and innovation. By integrating responsible management practices, marine conservation and environmental innovation, marine biodiversity and oceans' fragile ecosystems can be preserved.



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BIZ News Desk

[AD Ports Group and CMA CGM join forces with Ecocean to Preserve Marine Biodiversity at Khalifa Port | Biz News Desk](#)



BiZ News Desk



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AD Ports Group and CMA CGM join forces with Ecocean to Preserve Marine Biodiversity at Khalifa Port

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Designed to restore biodiversity and promote marine life in coastal and harbour areas, the Biohut module is a submerged structure that provides a safe and supportive habitat for marine life to thrive. The modules are specially designed to provide a refuge and breeding ground for a variety of marine species, including fish, crustaceans, and other marine life essential to the health of coastal ecosystems, particularly in environments where it has been disturbed or damaged by human activity.

Biohut® modules come in the form of modular cages, made from eco-friendly, non-toxic materials, offering a solid, protective structure for marine wildlife while minimising its impact on the environment. These structures will be deployed in specific areas of Khalifa Port, where marine life needs support and regeneration. The Biohuts® will be installed in the port in Q1 2024, at the CMA CGM's future terminal, which is currently under construction. This pilot phase will last 5 years with the inclusion of a monitoring part.

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David Gatward, Chief Engineering & Technical Services Officer, said: "We understand that the infrastructure we develop serves our economy, industry, and community. Simultaneously, maintaining biodiversity is crucial for life-sustaining processes. At AD Ports Group ETS, we design with sustainability in mind and retrofit existing structures to ensure a sustainable legacy for the local community. It's vital to adapt our infrastructure to enhance environmental conditions while consciously designing new projects with sustainability as a primary consideration."

In recognition of its long-term environmental sustainability strategy, AD Ports Group, has been awarded the Best Sustainability Initiative Award at the AD SG Awards 2023. The award underscores the Group's innovative and strategic approach to preserving and enhancing the Ras Ghanada Coral Reef – a cornerstone of marine biodiversity in the UAE and the Gulf region. Additionally, this year, KEZAD Group, part of AD Ports Group, earned the prestigious United Nations Investment Promotion Awards 2023, acknowledging their significant role in attracting investment in renewable energy and clean technologies.

Furthermore, AD Ports Group is developing Sustainable Design Guidelines, which aim to standardise the infrastructure design process from a sustainability perspective and maximise environmental benefits.

Aware of its role and responsibility towards the environment, CMA CGM Group has chosen not to carry any plastic waste on board its ships since 2022, as part of their commitment to protecting biodiversity and reduce its environmental footprint. CMA CGM has also redesigned the shipping routes of its container ships to take into account cetacean breeding and migration areas, and when this is not possible, requires its ships to reduce speed to a maximum of 10 knots in certain areas recognised as whale breeding grounds.

CMA CGM Group has also long been involved in biodiversity protection and restoration projects around the world, particularly in the Middle East. Aware of the importance of coral reefs for humanity, the Group is involved in a coral reef restoration project in the United Arab Emirates.

Félix de Carpentier, Group Vice President – Sustainability, CMA CGM, said: "Preserving biodiversity is part of CMA CGM "Acting for Planet" pillar, at the heart of the Group's sustainability commitments. We have been working for years with experts to better understand the mechanisms of its preservation and support protection and restoration projects which contribute to reducing human activities environmental footprint. Given the scale of the challenge, we strongly believe that 'getting on board' with our partners will speed up our action, and we're delighted with this first example of collaboration with Ecocean in Abu Dhabi, which we hope to replicate in other countries."

Ahmad Al Khayat, Acting Senior Vice President – Innovation, AD Ports Group, said: "We are delighted to launch this project with CMA and CGM and Ecocean. As a Group, we recognise that through thoughtful, innovative initiatives, we can actively and significantly boost biodiversity. Healthy ecosystems rich in biodiversity not only benefit human health, but also positively impact the economy. By installing biohuts at Khalifa Port, we aim to mitigate the environmental effects of construction. This reflects our commitment to environmental stewardship and our focus on innovation to foster environments where natural flora and fauna can prosper"

Khalifa Port, AD Ports Group's flagship deep-water port, is a multi-purpose, semi-automated port strategically located between Abu Dhabi and Dubai. Ranked 3rd globally on the 2022 Container Port Performance Index, it handles various types of cargo, providing links to over 90 international destinations and serves 25 major shipping lines. Khalifa Port is home to world-class terminals, including CSP Abu Dhabi Terminal, Autoterminal Khalifa Port, CMA Terminal and Abu Dhabi Terminals.

The CMA CGM Group maintains a strategic presence in the United Arab Emirates. Thanks to its privileged position in the shipping sector, CMA CGM plays an essential role in the region's connectivity and commercial development. With a regional office in Dubai, covering 43 countries in the region and several key ports in the United Arab Emirates, CMA CGM offers a complete range of sea transport, logistics and intermodal solutions. This local presence enables the company to meet the specific needs of its customers, support international trade and actively contribute to the region's economic growth by offering innovative solutions adapted to today's logistics challenges.



15 janvier 2024

Online Media Cafe

[AD Ports Group and CMA CGM join forces with Ecocean to Preserve Marine Biodiversity at Khalifa Port \(onlinemediacafe.com\)](https://onlinemediacafe.com)



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Designed to restore biodiversity and promote marine life in coastal and harbour areas, the Biohut module is a submerged structure that provides a safe and supportive habitat for marine life to thrive. The modules are specially designed to provide a refuge and breeding ground for a variety of marine species, including fish, crustaceans, and other marine life essential to the health of coastal ecosystems, particularly in environments where it has been disturbed or damaged by human activity.

Biohut® modules come in the form of modular cages, made from eco-friendly, non-toxic materials, offering a solid, protective structure for marine wildlife while minimising its impact on the environment. These structures will be deployed in specific areas of Khalifa Port, where marine life needs support and regeneration. The Biohuts® will be installed in the port in Q1 2024, at the CMA CGM's future terminal, which is currently under construction. This pilot phase will last 5 years with the inclusion of a monitoring part.

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Félix de Carpentier, Group Vice President – Sustainability, CMA CGM, said: "Preserving biodiversity is part of CMA CGM "Acting for Planet" pillar, at the heart of the Group's sustainability commitments. We have been working for years with experts to better understand the mechanisms of its preservation and support protection and restoration projects which contribute to reducing human activities environmental footprint. Given the scale of the challenge, we strongly believe that 'getting on board' with our partners will speed up our action, and we're delighted with this first example of collaboration with Ecocean in Abu Dhabi, which we hope to replicate in other countries."

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GCC NEWS BUSINESS

[Triparty deal to install Biohuts in Khalifa Port \(gccbusinessnews.com\)](https://gccbusinessnews.com)



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Triparty deal to install 48 Biohuts in Khalifa Port

AD Ports Group, a leading facilitator of global trade, logistics, and industry, CMA CGM Group, a global player in maritime, land, air and logistics solutions, and Ecocean, an innovative company serving aquatic biodiversity, have signed a scientific cooperation framework agreement that will see the installation of 48 Biohuts in Khalifa Port.

Designed to restore biodiversity and promote marine life in coastal and harbor areas, the Biohut module is a submerged structure that provides a safe and supportive habitat for marine life to thrive.

The modules will provide a refuge and breeding ground for a variety of marine species, including fish, crustaceans, and other marine life essential to the health of coastal ecosystems, particularly in environments where it has been disturbed or damaged by human activity.

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Olivier Izorant
Chief Engineering &
Technical Services Director
AD Ports Group

Biohut modules come in the form of modular cages, made from eco-friendly, non-toxic materials, offering a solid, protective structure for marine wildlife while minimizing its impact on the environment. These structures will be deployed in specific areas of Khalifa Port, where marine life needs support and regeneration. The Biohuts will be installed in the port in Q1 2024, at the CMA CGM's future terminal, which is currently under construction. This pilot phase will last 5 years with the inclusion of a monitoring part.

Mr. Félix de Carpentier, Group Vice President - Sustainability, CMA CGM, said that, "Preserving biodiversity is part of CMA CGM's 'Acting for Planet' pillar, at the heart of the Group's sustainability commitments. We have been working for years with experts to better understand the mechanisms of its preservation and support protection and restoration projects which contribute to reducing human activities' environmental footprint."



15 janvier 2024

Aletihad

[AD Ports, CMA CGM, Ecocean join forces to preserve marine biodiversity at Khalifa Port - Aletihad News Center](#)

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Biohut modules come in the form of modular cages, made from eco-friendly, non-toxic materials, offering a solid, protective structure for marine wildlife while minimising its impact on the environment.

These structures will be deployed in specific areas of Khalifa Port, where marine life needs support and regeneration.

The Biohuts will be installed in the port in first quarter of 2024, at the CMA CGM's future terminal, which is currently under construction.

This pilot phase will last five years with the inclusion of a monitoring part.

David Gatward, Chief Engineering and Technical Services Officer, AD Ports Group, said, "We understand that the infrastructure we develop serves our economy, industry, and community. Simultaneously, maintaining biodiversity is crucial for life-sustaining processes. At AD Ports Group ETS, we design with sustainability in mind and retrofit existing structures to ensure a sustainable legacy for the local community. It's vital to adapt our infrastructure to enhance environmental conditions while consciously designing new projects with sustainability as a primary consideration."

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15 janvier 2024

Zawya By LSEG

[New biohuts to preserve marine biodiversity at Khalifa Port \(zawya.com\)](https://www.zawya.com)



MARKETS ECONOMY WEALTH PROJECTS MULTIMEDIA PRESS RELEASE

SUSTAINABILITY

New biohuts to preserve marine biodiversity at Khalifa Port

The Biohut module is a submerged structure that provides a safe and supportive habitat for marine life to thrive

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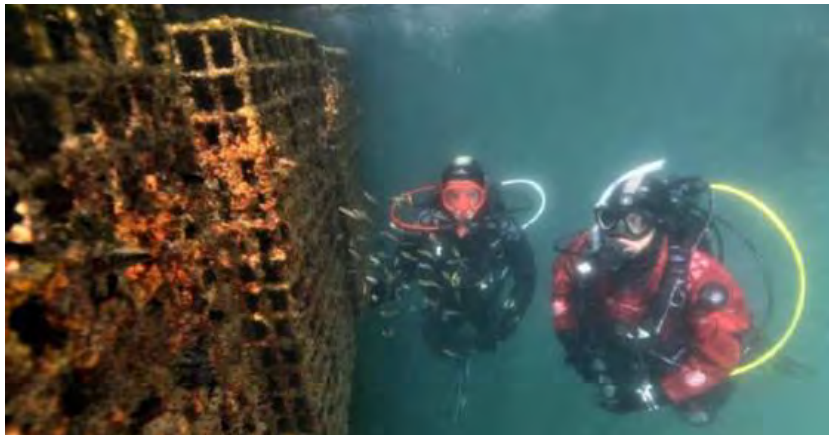
Port Technology International

[AD Ports, CMA CGM, Ecocean conserve marine biodiversity at Khalifa Port - Port Technology International](#)



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AD Ports, CMA CGM, Ecocean conserve marine biodiversity at Khalifa Port



AD Ports Group (AD Ports), CMA CGM Group, and Ecocean, a company serving aquatic biodiversity, have inked a scientific collaboration framework to install 48 Biohuts at Khalifa Port.

The Biohut module is a submerged structure designed to restore biodiversity and encourage marine life in coastal and harbour environments. The modules are intended to provide a safe haven and breeding ground for a wide range of marine species critical to the health of coastal ecosystems.

Biohut modules come in the form of modular cages, made from eco-friendly, non-toxic materials, offering a solid, protective structure for marine wildlife while minimising its impact on the environment. These structures will be placed in selected regions of Khalifa Port where marine life requires protection and regeneration.

According to AD Ports, the Biohuts will be placed during Q1 2024, at the CMA CGM's new terminal, which is currently being built. This pilot phase will span five years and include a monitoring component.

Félix de Carpentier, Group Vice President – Sustainability, CMA CGM, stated: "Preserving biodiversity is part of CMA CGM 'Acting for Planet' pillar, at the heart of the Group's sustainability commitments. We have been working for years with experts to better understand the mechanisms of its preservation and support protection and restoration projects which contribute to reducing human activities environmental footprint.

"Given the scale of the challenge, we strongly believe that 'getting on board' with our partners will speed up our action, and we're delighted with this first example of collaboration with Ecocean in Abu Dhabi, which we hope to replicate in other countries."

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"Healthy ecosystems rich in biodiversity not only benefit human health, but also positively impact the economy. By installing biohuts at Khalifa Port, we aim to mitigate the environmental effects of construction. This reflects our commitment to environmental stewardship and our focus on innovation to foster environments where natural flora and fauna can prosper."



AD Ports Group and CMA CGM join forces with Ecocean to Preserve Marine Biodiversity at Khalifa Port (businessnewsthisweek.com)



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Biohut® modules come in the form of modular cages, made from eco-friendly, non-toxic materials, offering a solid, protective structure for marine wildlife while minimising its impact on the environment. These structures will be deployed in specific areas of Khalifa Port, where marine life needs support and regeneration. The Biohuts® will be installed in the port in Q1 2024, at the CMA CGM's future terminal which is currently under construction. This pilot phase will last 5 years with the inclusion of a monitoring part.

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In recognition of its long-term environmental sustainability strategy, AD Ports Group has been awarded the Best Sustainability Initiative Award at the ADISG Awards 2023. The award underscores the Group's innovative and strategic approach to preserving and enhancing the Ras Ghanada Coral Reef – a cornerstone of marine biodiversity in the UAE and the Gulf region. Additionally, this year, KEZAD Group, part of AD Ports Group, earned the prestigious United Nations Investment Promotion Awards 2023, acknowledging their significant role in attracting investment in renewable energy and clean technologies.

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15 janvier 2024

Media Bulletin

[AD Ports Group and CMA CGM join forces with Ecocean to Preserve Marine Biodiversity at Khalifa Port \(mediabulletins.com\)](https://www.mediabulletins.com)



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15 janvier 2024

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[AD Ports Group and CMA CGM join forces with Ecocean to Preserve Marine Biodiversity at Khalifa Port \(contentmediasolution.com\)](https://contentmediasolution.com)



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AD Ports Group and CMA CGM join forces with Ecocean to Preserve Marine Biodiversity at Khalifa Port

Abu Dhabi, UAE – 15 January 2024: AD Ports Group (ADX: ADPORTS), a leading facilitator of global trade, logistics, and industry, CMA CGM Group, a global player in maritime, land, air and logistics solutions, and Ecocean, an innovative company serving aquatic biodiversity, have signed a scientific cooperation framework agreement that will see the installation of 48 Biohuts in Khalifa Port.

Designed to restore biodiversity and promote marine life in coastal and harbour areas, the Biohut module is a submerged structure that provides a safe and supportive habitat for marine life to thrive. The modules are specially designed to provide a refuge and breeding ground for a variety of marine species, including fish, crustaceans, and other marine life essential to the health of coastal ecosystems, particularly in environments where it has been disturbed or damaged by human activity.

Biohut® modules come in the form of modular cages, made from eco-friendly, non-toxic materials, offering a solid, protective structure for marine wildlife while minimising its impact on the environment. These structures will be deployed in specific areas of Khalifa Port, where marine life needs support and regeneration. The Biohuts® will be installed in the port in Q1 2024, at the CMA CGM's future terminal, which is currently under construction. This pilot phase will last 5 years with the inclusion of a monitoring part.

This project is part of both parties' long-term commitment to marine and terrestrial biodiversity, based on key pillars, including reducing the impact of its activities, restoring fragile ecosystems, protecting endangered species, and supporting research and innovation. By integrating responsible management practices, marine conservation and environmental innovation, marine biodiversity and oceans' fragile ecosystems can be preserved.

David Gatward, Chief Engineering & Technical Services Officer, said: "We understand that the infrastructure we develop serves our economy, industry, and community. Simultaneously, maintaining biodiversity is crucial for life-sustaining processes. At AD Ports Group ETS, we design with sustainability in mind and retrofit existing structures to ensure a sustainable legacy for the local community. It's vital to adapt our infrastructure to enhance environmental conditions while consciously designing new projects with sustainability as a primary consideration."

In recognition of its long-term environmental sustainability strategy, AD Ports Group has been awarded the Best Sustainability Initiative Award at the ADSEG Awards 2023. The award underscores the Group's innovative and strategic approach to preserving and enhancing the Ras Ghanada Coral Reef – a cornerstone of marine biodiversity in the UAE and the Gulf region. Additionally, this year, KEZAD Group, part of AD Ports Group, earned the prestigious United Nations Investment Promotion Awards 2023, acknowledging their significant role in attracting investment in renewable energy and clean technologies.

Furthermore, AD Ports Group is developing Sustainable Design Guidelines, which aim to standardise the infrastructure design process from a sustainability perspective and maximise environmental benefits.

Aware of its role and responsibility towards the environment, CMA CGM Group has chosen not to carry any plastic waste on board its ships since 2022, as part of their commitment to protecting biodiversity and reduce its environmental footprint. CMA CGM has also redesigned the shipping routes of its container ships to take into account cetacean breeding and migration areas, and when this is not possible, requires its ships to reduce speed to a maximum of 10 knots in certain areas recognised as whale breeding grounds.

CMA CGM Group has also long been involved in biodiversity protection and restoration projects around the world, particularly in the Middle East. Aware of the importance of coral reefs for humanity, the Group is involved in a coral reef restoration project in the United Arab Emirates.

Félix de Carpentier, Group Vice President – Sustainability, CMA CGM, said: "Preserving biodiversity is part of CMA CGM 'Acting for Planet' pillar, at the heart of the Group's sustainability commitments. We have been working for years with experts to better understand the mechanisms of its preservation and support protection and restoration projects which contribute to reducing human activities environmental footprint. Given the scale of the challenge, we strongly believe that 'getting on board' with our partners will speed up our action, and we're delighted with this first example of collaboration with Ecocean in Abu Dhabi, which we hope to replicate in other countries."

Ahmad Al Khayat, Acting Senior Vice President – Innovation, AD Ports Group, said: "We are delighted to launch this project with CMA and CGM and Ecocean. As a Group, we recognise that through thoughtful, innovative initiatives, we can actively and significantly boost biodiversity. Healthy ecosystems rich in biodiversity not only benefit human health, but also positively impact the economy. By installing biohuts at Khalifa Port, we aim to mitigate the environmental effects of construction. This reflects our commitment to environmental stewardship and our focus on innovation to foster environments where natural flora and fauna can prosper"

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AD Ports Group and CMA CGM Join Forces with Ecocean to Preserve Marine Biodiversity at Khalifa Port



Part of an ambitious strategy to develop innovative solutions for the preservation of biodiversity and restoration of marine ecosystems at Khalifa Port

Abu Dhabi, UAE – 16 January 2024: AD Ports Group (ADX: ADPORTS), a leading facilitator of global trade, logistics, and industry, CMA CGM Group, a global player in maritime, land, air and logistics solutions, and Ecocean, an innovative company serving aquatic biodiversity, have signed a scientific cooperation framework agreement that will see the installation of 48 Biohuts in Khalifa Port.

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Gilles Lecaillon, pionnier de la restauration écologique en milieu urbain

L'entreprise, créée il y a 20 ans à Montpellier, lève 1,2 million d'euros pour accélérer son déploiement commercial. Lancée il y a 20 ans dans l'indifférence, Ecocéan a développé un savoir-faire en matière de restauration des milieux aquatiques, aujourd'hui prisée.

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Véritable pionnier dans la restauration des milieux aquatiques, Ecocéan annonce fin novembre 2023 une levée de fonds d'1,2 million d'euros, auprès de la Banque des Territoires dans le cadre de France 2030, et de Sud Mer Invest, filiale de la Banque Populaire du Sud.

De quoi assurer le déploiement commercial de ses solutions innovantes, consistant à travailler sur les premiers stades de vie des poissons et animaux aquatiques, afin de restaurer la biodiversité dans les environnements côtiers. Avec un leitmotiv : « Développer des solutions durables, sans béton ni plastique, basées sur l'économie circulaire », déclare Gilles Lecaillon, fondateur-dirigeant, biologiste marin, expert internationalement reconnu en matière de restauration écologique marine.

Filière en pleine structuration

Ecocéan s'occupe depuis deux décennies sur diverses solutions complémentaires, qui redonnent des fonctionnalités écologiques positives à des infrastructures artificielles. Il s'agit de nurseries artificielles brevetées (habitats artificiels fournissant le gîte, l'alimentation et la protection contre les prédateurs de post-larves), de repeuplement à partir de la capture et de l'élevage de larves sauvages, d'installation de radeaux flottants végétalisés...

Un sens de l'anticipation qui est validé par le marché. « Une filière est en train de se mettre en place, indique l'expert à Occitanie News. De plus en plus de collectivités, ainsi que les pouvoirs publics et l'État, se rendent compte qu'il faut restaurer l'écosystème marin. Nous sentons cette dynamique, y compris au niveau du contexte réglementaire français et européen. »

Le parti-pris consiste à s'adapter à l'existant, en misant sur une innovation solide. « Il existe 130 ports en Méditerranée française, entre Menton et Cerbère, avec des kilomètres de digues en enrochement. Nous ne sommes pas dans la posture : "Il n'aurait pas fallu qu'elles soient là" déclare Gilles Lecaillon. Mais nous avons démontré que l'on pouvait faire des choses écologiquement intéressantes et scientifiquement validées. C'est notre valeur ajoutée. Nous sommes des écologues, des scientifiques. Tout ce que nous proposons a fait l'objet de trois ou quatre ans de recherches au préalable. C'est trop facile, quand on est sous l'eau, de déclarer que telle solution fonctionne, en s'appuyant sur une simple photo, alors que personne n'ira la vérifier. »

Le marché des éoliennes offshore

Grâce à l'intervention de la Région Occitanie, Ecocéan va équiper, via le programme Littoral Plus, ses solutions d'habitat sur le rotteur d'une des trois éoliennes offshore du projet EFGI (Éoliennes Flottantes du Golfe du Lion), qui sera installée fin 2024 au large du littoral occitan. Sur ce type d'installation, « la complexité est augmentée. Il nous faut utiliser le même matériau que l'éolienne. Des animaux vivant dans la colonne d'eau se fixeront sur un substrat constitué d'acier et de coquilles d'huîtres. Cet habitat permet aux larves de se développer. Nous aidons les jeunes individus, présents en grande quantité, à trouver de quoi survivre, en étant protégés des prédateurs. »

Pour parvenir à ce résultat, rien n'a été laissé au hasard. Ecocéan a ainsi installé au large de Leucate, entre juin 2019 et juin 2023, une boîte d'observation de la biodiversité, aux dimensions impressionnantes : 15 mètres de haut et 1,5 de large, pour un poids de 4 tonnes. « Cela nous a permis de comprendre ce qui allait se passer sur les futures éoliennes. Nous avons présenté les résultats observés, en octobre dernier, aux pêcheurs, au milieu universitaire, aux acteurs de la Réserve Marine et aux services de l'État », explique-t-il.

Ecocéan se positionne sur un marché des éoliennes offshore désormais mondial, en Écosse, en Norvège, aux États-Unis... « C'est un énorme travail à mener, pour s'attaquer à ce segment de marché porteur sur la prochaine décennie. » En France, Ecocéan s'est ainsi positionné sur l'appel d'offres récent Sud Bretagne, et sur les appels d'offres commerciaux prévus en Méditerranée, en intégrant sa solution écologique dans les réponses des opérateurs.

Pour faire face à cette montée en puissance, la PME de 21 salariés a recruté un directeur commercial international, Stéphane Thésin, un responsable communication, un commercial et un directeur des opérations qui va gérer la société aux côtés de Gilles Lecaillon. Ce dernier reste majoritaire au capital, avec les partenaires historiques et des amis qui ont investi en love money. « La récente levée de fonds est bien sûr importante, mais n'est pas une fin en soi. Depuis 20 ans, nous avons déjà investi des millions d'euros en fonds propres, mené des travaux avec des chercheurs de l'Université de Perpignan, de Nice... », conclut le plongeur professionnel.

7 janvier 2024

Corse matin

[À Saint-Florent, des nichoirs pour préserver la biodiversité \(corsematin.com\)](https://www.corsematin.com)



À LA UNE LE DIRECT FAITS-DIVERS/JUSTICE POLITIQUE SPORTS SOCIÉTÉ ÉCONOMIE VIDÉOS DÉBATS

À Saint-Florent, des nichoirs pour préserver la biodiversité

Une démarche écologique déjà ancienne

Référent pour la biodiversité à la capitainerie, c'est Éric Ventre qui s'est employé, au printemps dernier, à placer ces nids artificiels dans les conifères de l'Aliso. *"L'idée est de restaurer les habitats, et un suivi va être effectué afin d'observer si les nichoirs ont été habités et si cela fonctionne pour, éventuellement, en rajouter de nouveaux"*, avance cet agent communal.

Cette action pour l'environnement s'inscrit dans une démarche plus large engagée par le port de plaisance pour favoriser le développement d'espèces terrestres et aquatiques dans le golfe de Saint-Florent. Exemple : l'installation, en octobre 2016, d'une quinzaine de nurseries marines artificielles Biohut pour protéger les juvéniles de poissons des prédateurs et des pressions de l'environnement. Ces actions font aussi écho aux objectifs de la certification "port propre", dont le port de plaisance a été lauréat en 2022, et à la végétalisation de l'espace portuaire entreprise sur le quai ouest avec la création d'une zone arborée. *"Tout cela s'inscrit dans la logique menée par la municipalité sur le plan environnemental depuis une dizaine d'années, resitue David Donnini. C'est pourquoi nous avons formé et spécialisé les agents de la capitainerie sur les enjeux écologiques. La vie d'un port, ce ne sont pas seulement des bateaux, c'est aussi une vie sous-marine, des espèces qu'il faut s'efforcer de préserver de certaines nuisances."*

