

Ecospeed stays intact for 20 years with underwater maintenance

Subsea Industries is looking for representative agents



To support our continuous growth, we are expanding our worldwide network of Subsea Industries agents. This allows us to reach a much bigger public directly than would otherwise be possible.

Subsea Industries NV was founded in 1983 to take care of the design, development and marketing of an evolving line of underwater hull

and propeller cleaning equipment as well as a line of hard hull coating systems.

The purpose of the Ecospeed range of coatings and cleaning technology is to offer a long-lasting, non-toxic protection for all ships with a system that keeps a hull ultra-smooth and free of fouling for the service life of the vessel with minimal repair and no replacement. Instead of using chemi-

cals to kill and repel marine fouling organisms, Ecospeed uses a hard, impermeable, impenetrable coating along with manual removal of fouling at an early stage.

Contact us if you are interested in joining our network and help us build a strong relationship with our prospects and customers. We look forward to hearing from you.

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Ecospeed stays intact for 20 years with underwater maintenance

Every hull coating fouls and as a result cleaning is an unavoidable reality for shipowners. For most coatings this is a problem because they cannot be cleaned without damaging them, often very severely. Ecospeed, however, was designed to be maintained regularly while keeping the coating intact for 20 years or longer.

The best and most viable approach is to clean the ship 100% and to do so regularly and always before sailing if the ship has been stationary and has fouled for a long period.

Ship hulls must be protected with a system that lends itself to fast, effective underwater cleaning without risk of damage to the coating and without posing any kind of hazard to the environment. Ecospeed is this system.

Fast and efficient fouling control

1. Underwater cleaning improves the hull surface

With repeated underwater hull cleaning Ecospeed's surface further improves. This procedure is made easy by the coating's technical properties. Cleaning can be carried out whenever needed, at any point in its lifespan, without causing damage.

2. Long lay-up periods have no effect

Ecospeed is suited for ships which have a stationary period. An impermeable and impenetrable barrier is created during ap-



Fouling on Ecospeed can be removed fast and easy.

plication. This gives the coating excellent and durable anti-corrosive properties. It also protects the underwater hull against mechanical damage. No rust or damage to the steel will be pres-

ent on the underwater hull of the vessel after cleaning and this despite the aggressive nature of certain types of fouling. The hard fouling is unable to penetrate or damage the coating.



Ecospeed underwater maintenance is carried out with specially designed equipment.



All fouling can be removed without damaging Ecospeed after laying idle for several months.



Independent research proved that our coating is 100% non-toxic.

3. Toxic free

Independent tests have been carried out to authenticate Ecospeed's non-toxicity. This research proved that the coating is 100% non-toxic. There is no negative effect on the water quality or the marine environment at any point of its application or use

4. The definite biofouling solution

The underwater cleaning of Ecospeed prevents the spread of biofouling entirely. The cleaning interval is optimized to minimize fouling. Regular cleaning prevents macrofouling from building up. At the same time it presents an opportunity to inspect so-called niche areas. Most of the fouling organisms will be destroyed during cleaning. When only micro-fouling or locally acquired macro-fouling is cleaned off the hull and niche areas, the risk of translocation of NIS via hull fouling is minimal.

5. Underwater cleaning allowed

The results of above-mentioned tests were sent to port authorities and environmental agencies world-



Oil tanker after application of second Ecospeed layer.



Application of smaller vessels can be done in a single day.

wide. As a result, several major ports have overturned the existing general ban on underwater hull cleaning. They specifically made an exception for vessels coated with Ecospeed.

6. Specially designed equipment

Underwater maintenance of Ecospeed is carried out with specially designed underwater hull cleaning systems. These tools remove all fouling and at the same time optimize the smoothness of the paint surface. A complete line of equipment was designed in-house. They allow divers to clean the flat areas as well as the harder to reach parts of the hull without damaging the coating.

7. Fewer and shorter drydockings

There has been a trend of extending the maximum drydock interval if a stringent set of rules is followed. One of the require-

ments is the execution of a very strict underwater maintenance plan. The biggest barriers are dealing with biofouling and maintaining hull coating integrity.

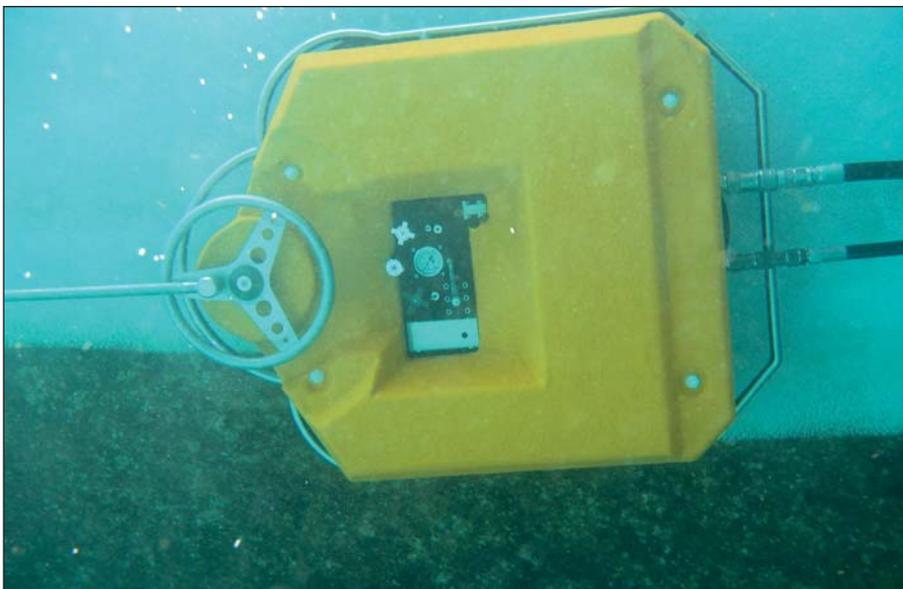
Ecospeed allows ship owners/operators to overcome both these barriers. Our coating can easily last for ten or twelve years without any need for drydocking.



Application of Ecospeed is fast, flexible and easy.



Ecospeed can also be safely cleaned in drydock with high pressure tools.



Underwater cleaning of Ecospeed can be carried out whenever needed, at any point in the coating's lifespan.

Summary

Ecospeed can be cleaned underwater without risk of chemical pollution to the environment or of damage to the coating. Ecospeed's surface will improve in smoothness with each

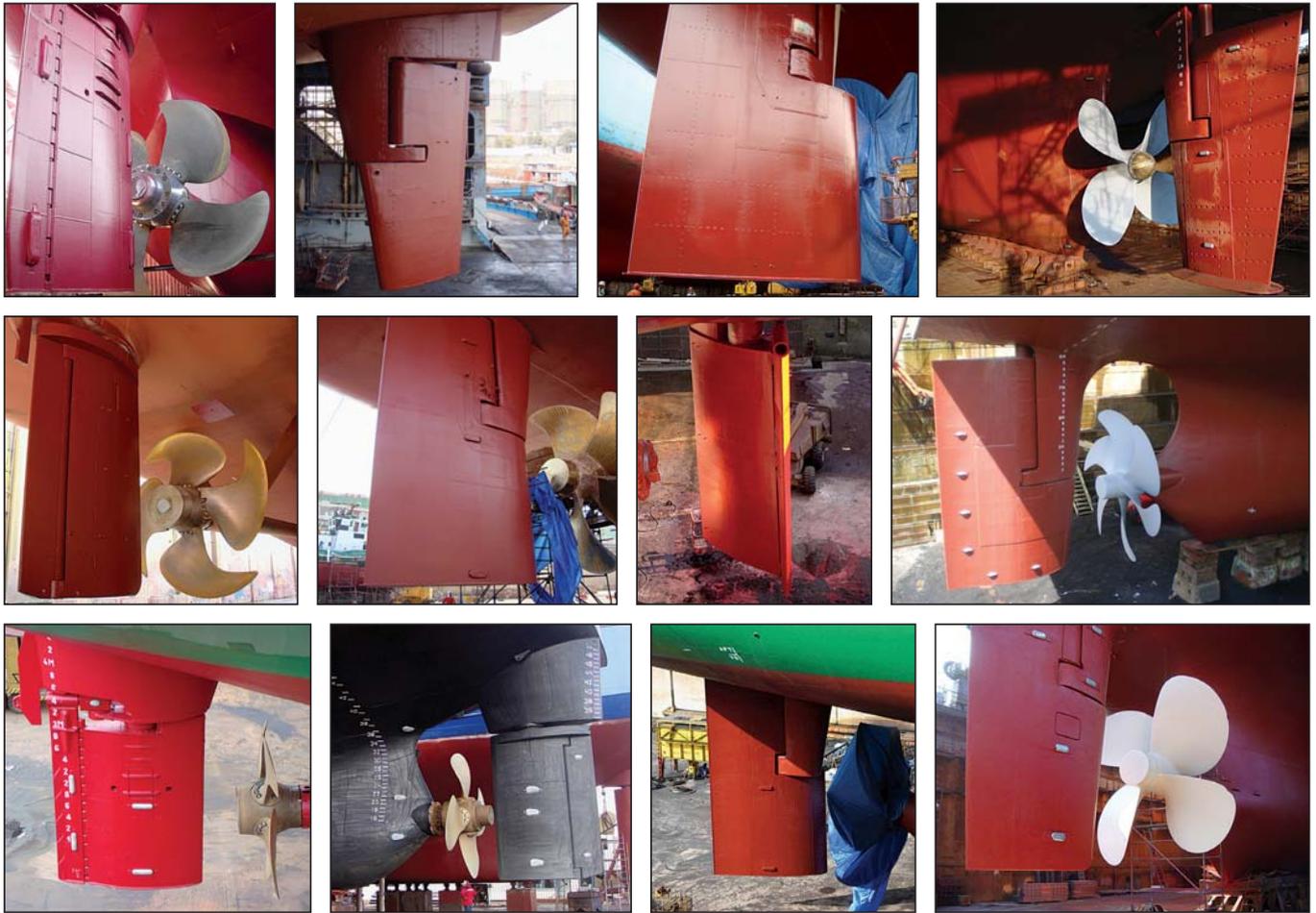
cleaning. Underwater maintenance prevents the spread of biofouling. For these reasons several economically important ports have already overturned the existing general ban on underwater hull cleaning of Ecospeed.

The coating's qualities make it ideally suited for a very strict preventative underwater maintenance plan. This is part of the requirements to extend a vessel's drydock interval.

Underwater maintenance of Ecospeed is carried out with in-house designed underwater hull cleaning systems. These allows the cleaning of the hull without damaging the coating. ■



LASTING PROTECTION



Ecoshield gives a very thorough and lasting defense against cavitation and corrosion damage for a ship hull's entire service life.

The coating equally provides the rudder with an impenetrable protective layer while its flexibility enables absorption of the forces that are produced by cavitation. This prevents the damage normally caused

by this phenomenon.

Without proper protection against cavitation and the resulting erosion and corrosion damage, the financial consequences can be severe.

By removing the existing paint layers and applying Ecoshield on the rudder we can break the never ending cycle of painting, suffering damage, having

to perform extensive repairs in drydock followed by a full repainting, again and again.

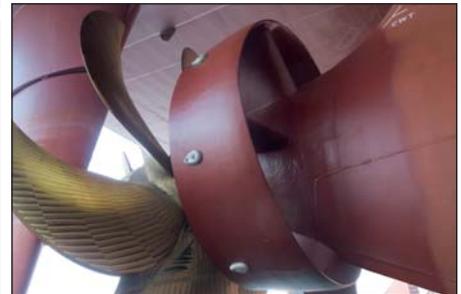
With an Ecoshield application no full repaint will be needed during drydocking. Ecoshield is guaranteed for ten years. At the most, minor touch-ups will be required.

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ECOSHIELD®
ULTIMATE PROTECTION 

SUBSEA

PROTECTION AND PERFORMANCE



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cleaning equipment as well as the line of hard hull coating systems.

All products produced by Subsea Industries have the same goal in

mind: To keep the underwater part of your vessel in the best possible condition for its entire lifetime at the best possible performance.

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