

# SUBSEA

PROTECTION AND PERFORMANCE

# NEWS

LETTER



**Ecofix reduces the cost of rudder repairs**

# UV resistant corrosion protection

**T**he latest member in our range of coating systems is ultraviolet (UV) resistant and preserves its color while at the same time offering the corrosion and abrasion protection our coatings are known for.

Regular coatings will quickly lose their original color when exposed to the ultraviolet radiation present in sunlight. This is problematic when colorfastness is required, as is the case in for example offshore wind farms.

Ecolast is highly resistant against salt, ultraviolet radiation, waves or even ice. Mechanical damage to the coated surface is minimized. This is especially important for (semi-)submerged structures



like wind turbines that are located in splash or tidal zones.

Like all other coatings systems in the Subsea Industries family, Ecolast is also unaffected by corrosion. As a result no repaint is required once the coating has

been applied.

Application of Ecolast is done in two homogenous layers, with no need for primer or any other extra layer. This makes the application very fast and easy to adapt to the schedule of a yard.

## **ECOLAST®**

**LONG TERM UV RESISTANT**

**S**ubsea Industries will be present at Europort in Rotterdam, the Netherlands from November 7 until November 10. We would like to welcome you at our booth 1009 in hall 1, Holland pavilion.

If you would like to learn more about how Subsea Industries can assist you, please visit our booth at Europort. Our team will be happy to give you the information you need. You can also contact one of our offices if you would like to make an appointment for the exhibition or if you need assistance.

**EUROPORT**  
exhibition for  
maritime technology  
**7-10 November 2017**  
**Rotterdam Ahoy**



# Ecofix reduces the cost of rudder repairs

**E**cofix is a filler coating which is used in combination with our award-winning Ecoshield hard coat system. Ecofix is specifically developed to provide ship owners and Original Equipment Manufacturers with a cost-effective solution for the repair of corroded or pitted steel surfaces.

When a rudder or other piece of underwater ship gear has not been properly protected, the surface will become severely pitted and corroded. The steel needs to be restored to its original shape with a smooth surface prior to recoating.

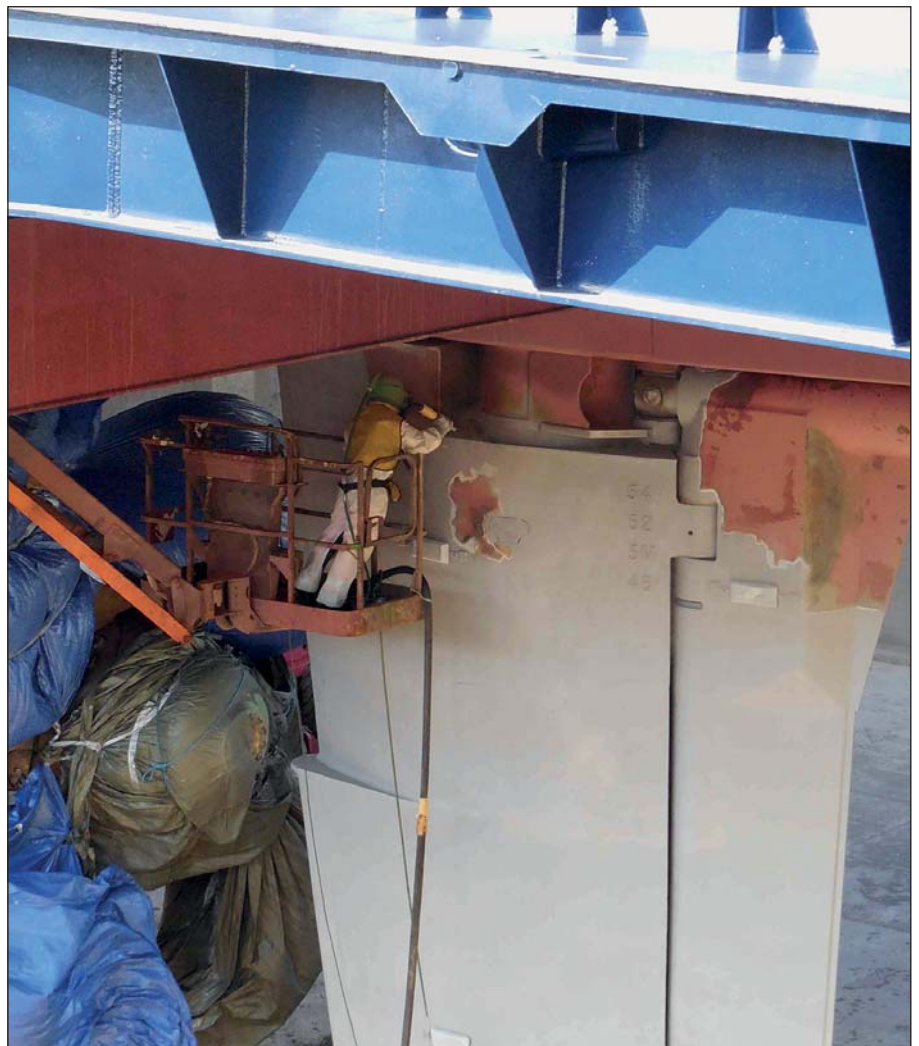
This is where Ecofix comes in. It is a superior, tested and proven filler. Because it uses the same basic resin as Ecoshield, the coating can be applied just one hour after the filler. The bonding and hardness are extraordinary. This is the effective alternative to metal facing or very expensive alternative fillers. And because it is part of the Subsea industries family, it is fully compatible and homogeneous with our other coating systems.

## Rudders of ro-ro vessels restored to original condition

The rudders of two ro-ro vessels were given the full treatment in Denmark. First Ecofix was applied to restore the surface of the damaged rudders back to its original condition. Next they were coated with Ecoshield. This will protect them from ever suffering corrosion and cavitation damage again.



*Corroded surface of rudder of ro-ro vessel.*



*Grit blasting the rudder prior to application.*



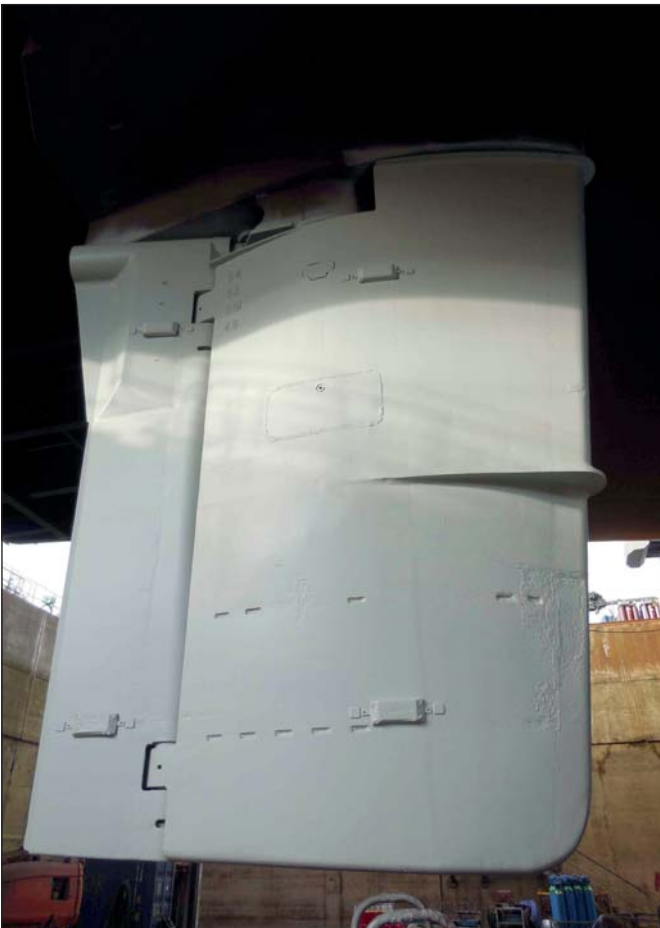
*Applying Ecofix on the corroded areas of the rudder.*



*The rudder is now ready for Ecoshield application.*



*Ecoshield can already be applied one hour after the Ecofix repair was carried out.*



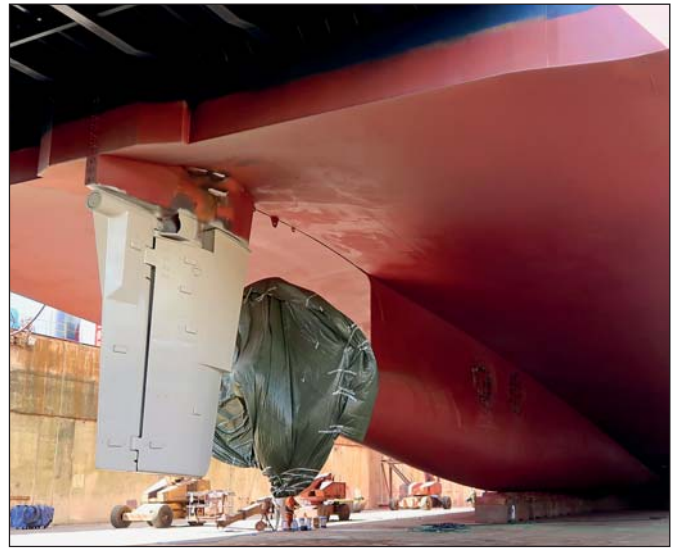
*Ecoshield is applied in only two identical layers.*



*Overcoating time in between layers can be as short as three hours.*



*Rudder of roro vessel after Ecofix and Ecoshield combination has been applied.*



*Application is adapted to the schedule of the yard.*



*No further corrosion or pitting damage will appear on these rudders.*

Boud Van Rompay, Executive Director of Subsea Industries, said: “We are seeing an increasing interest from propulsion and steering equipment suppliers to apply Ecoshield to their equipment. They are looking for maximum protection against cavitation and abrasion damage, both of which can lead to widespread corrosion if conventional coatings fail.

“Ecoshield is the only coating known to fully protect rudders and thrusters from all cavitation damage for the remainder of a vessel’s service life. It is as tough as the steel itself. With Ecofix, the repair work needed on the underlying steel can be done effectively and economically.” said Van Rompay.

Ecofix has been developed to repair pitting or corrosion damage on rudders, stabilizer fins, thrusters and other underwater gear. If other, less effective coatings have permitted corrosion and cavitation damage to occur on running gear, this can now be repaired easily and permanently prior to recoating. ■

**ECOFIX<sup>®</sup>**  
CORROSION REPAIR

# ECOLOCK® ultra long-lasting protection for offshore hulls



**E**colock is designed to protect offshore vessels for decades without the need for drydocking. Increasingly, offshore units such as FPSOs, FSOs, FLRSUs and others used for offshore oil and gas exploration, drilling, storage and transport need to stay out of drydock for 15, 25 even 40 years.

The challenge has been to protect

the underwater hull from corrosion and to provide a cleanable surface so that the biofouling that accumulates can be removed successfully and safely for UWILD and to reduce weight. Ecolock is the answer to that challenge.

Ecolock is an extremely tough and durable coating designed to remain in excellent condition for 15 - 25

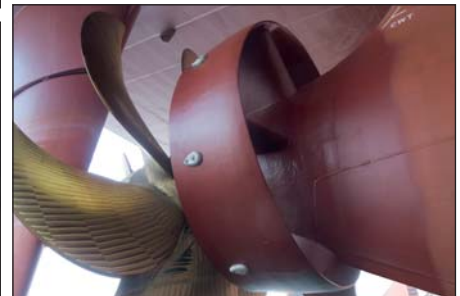
years without drydocking, repair or replacement. Ecolock can be cleaned underwater as often as needed to meet the UWILD and weight requirements of FPSOs, drill ships and other offshore vessels. Ecolock is the result of continual R&D on offshore hull coatings since the 1990s.

## ECOLOCK®

LIFETIME CORROSION PROTECTION  
FOR OFFSHORE UNITS

Subsea Industries NV  
Phone: + 32 3 213 5318  
Fax: + 32 3 213 5321  
info@subind.net  
www.subind.net

# SUBSEA INDUSTRIES



**S**ubsea Industries NV, was founded in 1983 specifically to take care of the design, development and marketing of what has become an evolving line of underwater hull and propeller

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.

**[www.subind.net](http://www.subind.net)**

Subsea Industries NV

Phone: + 32 3 213 5318

Fax: + 32 3 213 5321

[info@subind.net](mailto:info@subind.net)