

Bonded structural repair

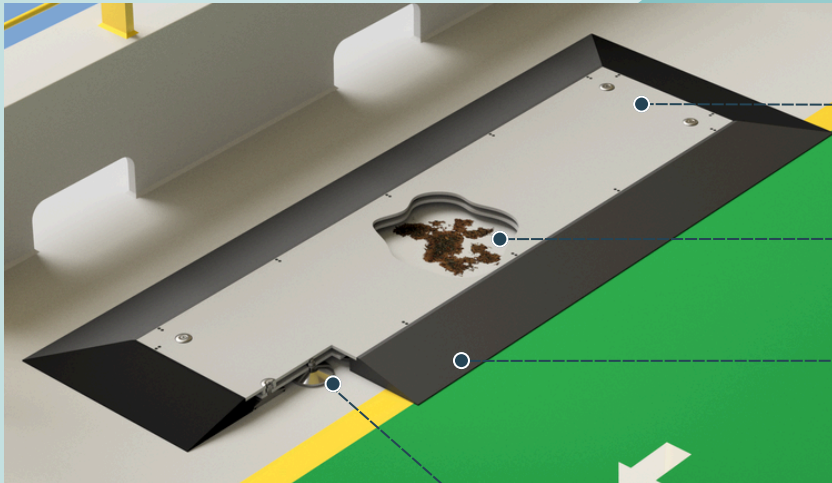
Cold & non-intrusive repair for
small surfaces

Let's shift FPSO Structural Maintenance from
Planned Shutdown to General Maintenance.

Cellular

Bonded structural repair

Cellular is a non-intrusive structural repair for defects typically under 10m² on decks and hulls. It restores structural integrity and protects from further deterioration.



Carbon steel plate

Existing structure

Plate thinning due to corrosion

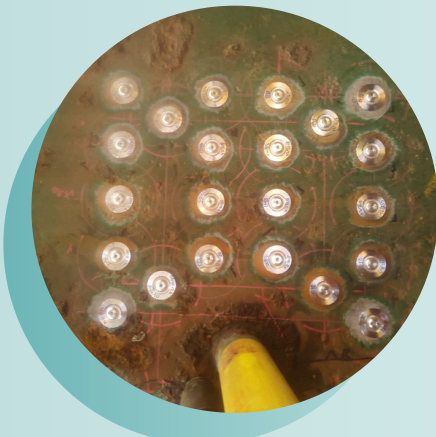
Slope of surface

Prevent tripping hazard

C-Claw fastener

Bonded anchor for non-intrusive fastening

Installation sequence



Bonding of C-Claws on the corroded area.



Transfer of stresses from the corroded structure to the new plate.



Steel plate to **protect the area** from further corrosion.



C-Claw

is a non-intrusive fastener, an alternative to welding and drilling

It is a mechanical link between the existing structure and the new top plate.

Cellular for permanent immersion

Cellular - designed for permanent immersion

This version of the Cellular can be permanently immersed thanks to a potting resin injected within the plate. This non-structural polymer provides protection for the C-Claw against external environment.

Openings

For polymer injection

Carbon steel plate

Non structural polymer

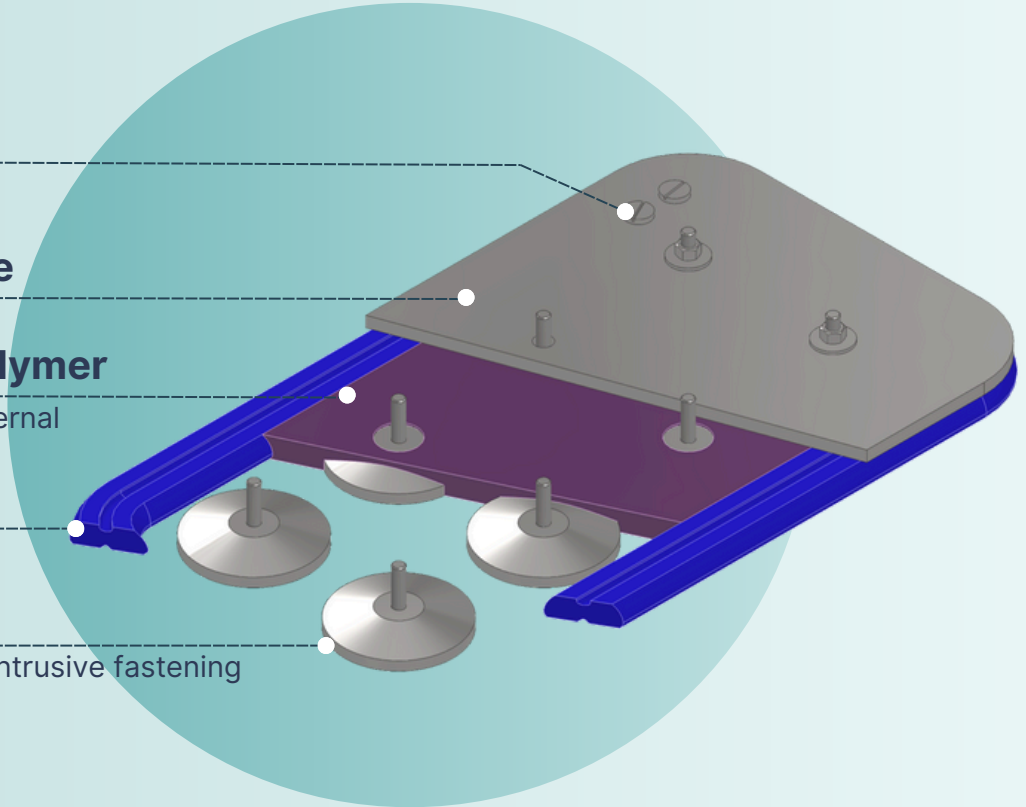
Protect C-Claw from external

Seal

Hydrocarbon resistant

C-Claw fastener

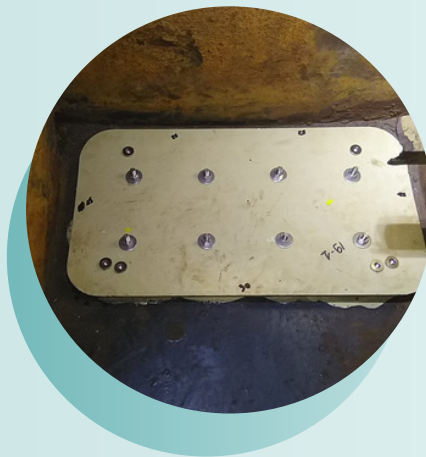
Bonded anchor for non-intrusive fastening



Installation sequence



Bonding of C-Claws on the corroded area.



Transfer of stresses from the corroded structure to the new plate.



Polymer injection to give high durability for permanent status.



Low POB
solution (1/2 pax)



No hot work
required



Permanent
status



Class approved
solution



Quicker - Safer - Better



Advanced Seal-Bonded Solutions

If you require more information, do not hesitate to contact us!

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