



COMPA REPAIRS



COMPA Repairs® is a method for **fast and durable repair** and **reinforcement of damaged ship structures and pipes** using composite materials – carbon and glass fibres mixed with epoxy resin/adhesive.

USE of COMPA Repairs

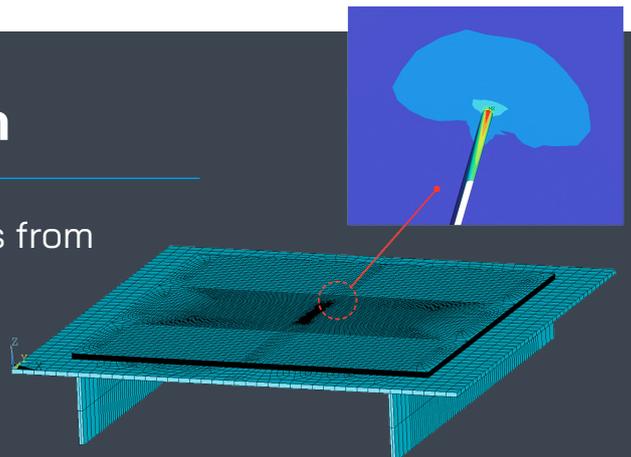
- ✓ To reinstate strength and stiffness of the damaged, corroded or cracked structure or system
- ✓ To provide watertightness

BENEFITS of COMPA Repairs

- ✓ Fast and cost-efficient
- ✓ Safe – no hot works involved
- ✓ Done during a voyage or port operations
- ✓ Applicable to any structure reachable by hand and to any shape

Engineering and application

COMPA Repairs process make several steps from repair design to application. The design of the repair involves numerical calculations that provide input for the repair application.



COMPA Repairs case studies

500m of BALAST PIPING

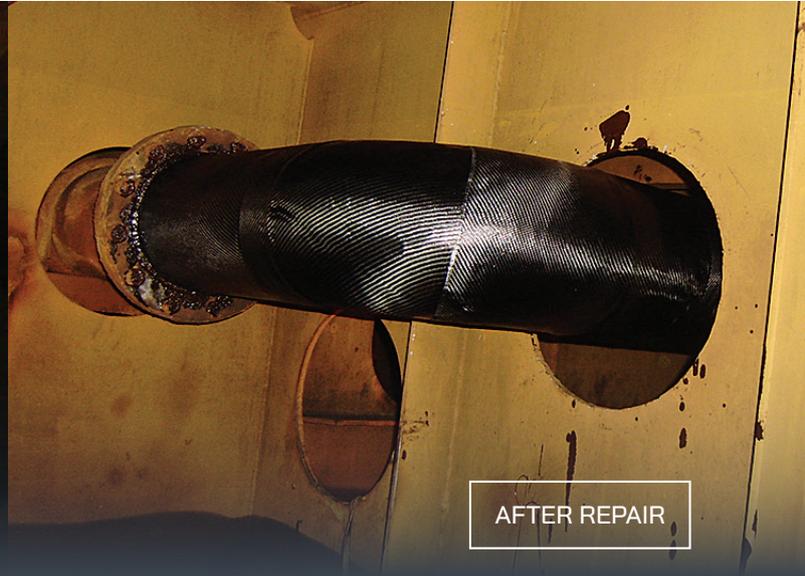
on board a bulk carrier vessel



12 days



in a port



500m of ballast piping was heavily corroded and it was leaking sea water on numerous places. Minding all the safety standards, the repair lasted 12 days and it was conducted during the vessel's dry docking.

HEELING TANK FLOOR and BALLAST TANK BULKHEAD

on board a Ro-Ro vessel



3 days



during voyage



The floor and the bulkhead plates in ballast tank were corroded and HFO was leaking into the sea water through the plates. The repair was conducted during the vessel's voyage that lasted 3 days.

Approvals

COMPA Repairs technology received a Statement of Feasibility from **DNV GL**.



The company has received **ISO 9001:2015** certificate for quality of management by Bureau Veritas and has been certified for COMPA Repairs by, an IACS member, **CRS Croatian Register of Shipping**.



About us

Alveus d.o.o., founded in 2006, is an expert in development and application of composite technologies with extensive experience in ship design and engineering.

COMPA Repairs team make naval architects, mechanical engineers and composite experts who are stand by to execute COMPA Repairs.

We have a record of successful applications of COMPA Repairs on ships in cases such as ballast piping and tanks, sewage and HFO tanks, thermal oil piping, valves, flanges, decks, bulkheads, garage floors, air-conditioning units etc.

Also, we are mastering engineering analyses based on which we design optimal repair solutions.

COMPA Repairs technology is owned by Alveus d.o.o.

Contacts

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