

## MARINE & OFFSHORE

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### Weight reduction

Lightweight with GLAVA® is more efficient and ensures improved business performance.

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GLAVA® supplies products and solutions for comfort, fire-proofing and sound-proofing on board ships and platforms. With our extensive experience in the marine and offshore sector, we at GLAVA®, together with our partner Weber, offer the market extensive expertise in lightweight, quality solutions.



Together with our lightweight partner Weber, we offer the lightest solutions, combined with the highest performance and best properties, to the market.

There are stringent requirements for thermal, acoustic and fire insulation on ships and offshore installations. Flexibility and weight are two extremely important characteristics. Our optimum solution is called ISOVER U SEAPROTECT. It is a preferred insulation material on board ships and offshore installations. Combined with Weber's floating floors, it produces effective weight savings without compromising on quality, properties and performance.

#### **A complete package**

Along with excellent products, we at GLAVA® can provide a complete package of technical expertise, regulatory expertise, experience of NORSOK petroleum standards, consultancy and definition of the technical base. As a partner, we will help you throughout the project.

#### **Reduce weight and costs**

GLAVA® lightweight solutions reduce the weight of insulation by up to 40% compared to traditional rock wool. By selecting GLAVA® lightweight solutions, our partners can reduce construction costs and fuel consumptions, while releasing capacity for payload throughout the service life of a ship. Lightweight solutions make an extremely positive contribution to vessels' energy output and environmental footprint.

Your possible savings by reducing weight



Our solutions ensure quality assured design, optimal operations and safe and efficient installation.

Demand for GLAVA® lightweight solutions is high when mini-cruise ships and electric/hybrid ferries are being designed – vessels where weight reduction is at a premium.

#### **Save time**

Its flexibility makes ISOVER U SEAPROTECT particularly well suited on board ships and offshore installations. The product's fibre structure makes it possible to insulate bulkheads and decks without the use of netting. This looks better, you save time on cutting, and leads to less wastage.

GLAVA® glass wool, specially designed for the marine sector, holds the necessary certificates for sale and use within this market. The certification is based on non-combustibility requirements for materials in marine applications. Low weight, great mechanical strength and flexibility make glass wool suitable for comfort insulation on ships.

GLAVA® lightweight solutions consist of compressed products. They take up less space, both in the shipyard and on board. They save time, and make products easier to work with.

Learn more about our collaboration partner Weber's lightweight solutions

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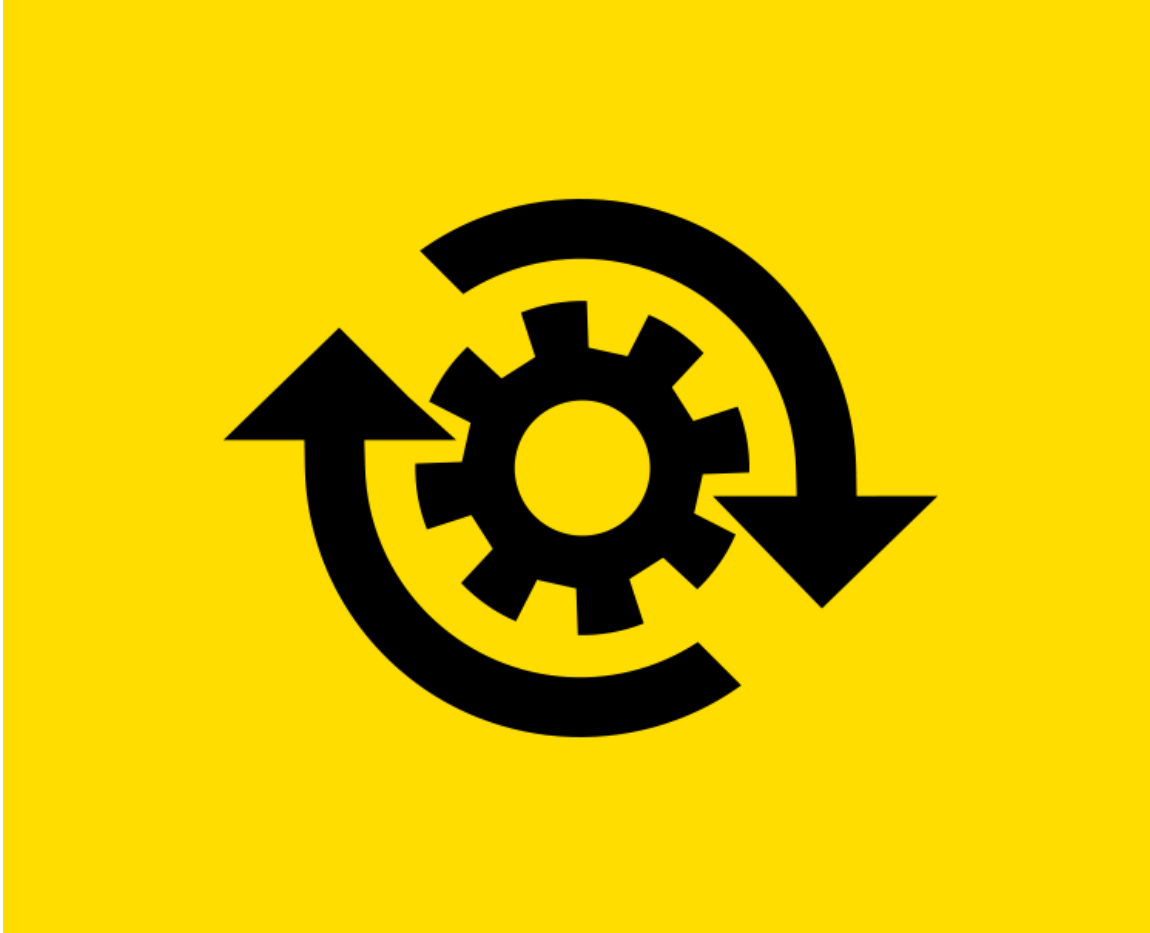
## **QUALITY ASSURED DESIGN**

We aim to assist our clients in finding the best solutions to their projects.



## **SAFE AND EFFICIENT INSTALLATION**

Wellproven logistics combined with products that are safe, and easy to apply.



## OPTIMAL OPERATIONS

Our lightweight systems ensure cost-effectiveness in a life cycle perspective.

### Related



Color Line focuses on weight reduction for hybrid vessel



U SeaProtect Minimize weight



Heavyweights make lightweight vessel

Contact us

**Main office and production****Address**

Nybråtteveien 2  
1832 Askim

Tlf: 69 81 84 00

E-mail: [post@glava.no](mailto:post@glava.no)

**Postaddress**

Postbox 2006  
1801 Askim

**Sales and marketing****Address**

GLAVA AS, Oslo  
Sandstuveien 68  
0680 Oslo

**Postaddress**

Postbox 6211 Etterstad  
0603 Oslo

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