

# Improved operations through virtual reality training

MacGregor Academy in Arendal, Norway, specialises in advanced simulation training and has a purpose-built virtual reality (VR) showroom. This allows users to run their equipment through various simulated conditions and operations.



## **C-How simulation platform**

- Flexible simulation and virtual prototyping tools developed and owned by MacGregor Norway AS
- Simulation of a wide range of equipment/solutions/operations
- High-quality real-time dynamics with real measures and forces
- High-quality 3D visualisation with VR support
- User-friendly interface for designing, training and running simulated operations

The academy provides a risk-free environment where the users learn how to make real-time, complex manoeuvres safe and efficient. It also showcases simulations of MacGregor products in action and demonstrates technical challenges.

VR training is particularly good for customers who have MacGregor equipment on board their vessels. Customers can offer their crew fully-immersive training programmes. This will reduce the likelihood of causing injury to personnel or damage to equipment because they have already tried and tested it. Our aim is to help customers use their equipment safely and efficiently.

The VR showroom is divided into two zones comprising an authentic operating chair for offshore crane simulations and a zone where participants can walk

around the simulated ship familiarising themselves with the safe operation of the equipment.

When you wear VR headsets linked to a computer running MacGregor's VR software (C-How), it is just like being on a vessel or offshore installation. As you move around and turn your head you see exactly the same things that you would see if you were on board. It is a very convincing experience. The monitor shows the exact same view as the person wearing the VR headset.

MacGregor simulation platform, C-How, can also be tailored to specific customer requirements. This technology is modular and scalable, and all packages are configured for further vessel layout, additional equipment and new operational scenario development.



MacGregor shapes the offshore and marine industries by offering world-leading engineering solutions and services with a strong portfolio of MacGregor, Hatlapa, Porsgrunn, Pusnes and Triplex brands. Shipbuilders, owners and operators are able to optimise the lifetime profitability, safety, reliability and environmental sustainability of their operations by working in close cooperation with MacGregor.

MacGregor solutions and services for handling marine cargoes, vessel operations, offshore loads, crude/LNG transfer and offshore mooring are all *designed to perform with the sea*. [www.macgregor.com](http://www.macgregor.com)

*MacGregor is part of Cargotec Cargotec's (Nasdaq Helsinki: CGCBV).*

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