



# MALTA DRY DOCK

## Client Requirement

As part of its planned re-commissioning, the newly refurbished heavy lifting vessel, the Fairmont Fjord, underwent a **6.8MVA load test on its three new Wartsila type 32 generators (3 x 3,690kW)** for an eight week period. Crestchic was called in to provision the load test using low and medium voltage cabling at Malta's dry docks. An engineer was on site during the duration of the test.



## Load Bank Package



**1x6MVA (20ft)  
 1x6MVA (10ft)  
 Resistive/  
 Reactive  
 Load Bank**



**1x5.8MVA (20ft)  
 1x2.9MVA (10ft)  
 Transformers**



**Eclipse  
 PC  
 Control  
 System**

The vessel, which was originally a barge, was being converted by its owners, Fairmont Heavy Transport N. V, to re-enter service as a platform- lifting vessel.

Our solution, which was based on site for an eight week period, was set up to **test the three new 3,690kW generators using both low and medium voltage cabling.**

Our engineer oversaw the installation and remained a key member of the team for the duration of the tests.

**Jo Price, Rental Manager, Crestchic Ltd.**

## Key Objectives



The loadbanks provide a resistive/reactive load at 0.8pf, which fully tests the generator's engine output.



Eclipse software control for data capture, transient recording and stepped load increments up and down of 1kW/1kVA, allowing for incredibly accurate application and rejection of load.



The all-weather ISO containers are perfect for operation in a shipyard environment.

Crestchic's rental fleet is the largest of its kind in the world and provides a highly flexible solution for companies that have a load requirement. With over 30 years' experience in the sector, the company has a **capacity in excess of 150MVA worldwide.**



**In Budget**



**On Time**



**Crestchic  
 Engineer on site**



**All-Weather  
 Containers**