

Cooling During Refurbishment

Project

A customer involved in providing refrigeration services to a local dockyard requested a cooling package to help provide air conditioning to a naval vessel during its refurbishment, which was held in dry dock for a period of 12 weeks.

The customer called Cool Energy because all of the on-board systems had been isolated for the refurbishment and they needed cooling for the workers to maintain their productivity during unusually high ambient temperatures.



Access was arranged for two local Cool Energy engineers to visit the dockyard during the next day to assess what could be done to manage the project.



Equipment Supplied

A 750kW chiller package – complete with 6 low noise Bitzer screw compressors, 2 x 2,500litre/min pumps, 200m x 4” flexible water hoses, 4” connections and a 1m W plate heat exchanger were supplied on a 40ft HIAB lorry.

Cool Energy Solution

The Cool Energy rental engineers liaised with the customer and discussed the application, which called for the majority of equipment to be sited on the side of the dock away from the vessel.

The cooling system on board was engineered to work at 9-bar pressure and operate with de-mineralised water.

Therefore, Cool Energy recommended the use of a separate stainless steel (AISI 316) plate heat exchanger to safely manage the process.

A central cooling package was assembled on the dock with an 8” flexible water main joining the heat exchanger to the vessel on board.

The system was commissioned within 2 days following all safety checks in both areas.



Call us free on 0800 169 3861 for an emergency visit or to order equipment fast.