

# Case study 613

## Sykes deliver temporary fire pumps

The requirement for larger storage and refinery facilities has grown in recent years in order to accommodate the increased consumption levels of liquefied natural gas in the UK. With demand for such a commodity currently surging, larger installations are being constructed and this is likely to continue over the next decade or so. The redevelopment of an existing site led to Sykes Pumps supplying general pumping equipment to the contractor in charge, thus helping the vicinity in question towards storing almost 20% of the UK's total use.

A permanent fire protection system had also been built but when a repair and maintenance programme was initiated to service each unit, it became clear that a solution would be needed. This meant that every pump would have to be removed and inspected one by one and consequently, a temporary back-up system was advocated while repairs and checks were carried out.

Following a consultation with the on-site engineering team, it was decided that a short-term fire pump arrangement would be commissioned alongside the permanent units. We recommended using 2no Sykes UVO D90 200/150 silenced pumps fitted with auto start panels, chalywn valves and spark arrestors combined with long run 2000 litre fuel tanks – standard procedure within modern power stations and refineries.

The pipework installed was a combination of flanged steel and flexible flanged hoses with non-return valves fitted to ensure the equipment remained primed and ready for use. A service amenity was also organised, with Sykes engineers visiting the premises twice weekly to test that all pumps were operating correctly.



Performance Max head: 135m, Max flow: 375 l/s, Max solid: 60mm  
Weight 9600kg  
Dimensions (mm) 5400 x 2300 x 2570  
Noise level @ 7m = 71dBA  
Pipe connections Suction: 8" Table D, Discharge: 6" Table D, Bauer couplings option  
Fuel consumption Full load @ 1600rpm: 106 litres/hour  
Energy efficient duty point Fuel consumption @ 1500 rpm: 92.5 litres/hour



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