



FWP Set with road crossings

To protect the oil and gas facilities in the Battery Pier area in the event of an incident, the Isle of Man Government, had to upgrade the existing fire fighting system, requiring a dedicated fire water pump system. The challenge in this project was that the only available space to install the fire water pump system was adjacent to a main road, which blocked access to open water. Fischcon has developed a diesel-hydraulic solution where submerged hydraulic driven lift pumps feed the fire water to the diesel driven main pumps, which in turn supply the fire water downstream to the fire main ring.

Project	Isle of Man
Operator / End user	Manx Petroleum / Isle of Man Government
Location	Battery Pier, Port Douglas – United Kingdom
Capacity	1035 m ³ /h @ 12.5 bar (3x 50%)
Scope of supply	One (1) Custom-built containerized (45ft) with three (3) diesel driven hydraulic power packs and fire water pump sets in accordance with NFPA-20, comprising of: <ul style="list-style-type: none">• 3x Hydraulic driven submerged lift pump (517 m³/h @ 1.5 bar) with AISI316 caisson• 3x Fire pump controller• 3x Redundant electric starting system• 3x Fuel system with tank (20hr)• Integrated cooling water system• 1x Jockey pump (250 lpm @ 7 bar)• 1x Foam mixing system 1-3% (600-6000 lpm @ 7 bar)• Factory acceptance test with site start-up and commissioning activities

