



Diesel Hydraulic Fire Water Pumps

For this project a total of two skid-mounted 1600 m³/h Fire Water Pump Systems were successfully tested and delivered. Each system comprises a hydraulic-driven lift pump, installed below the water line, which delivers water to a diesel-driven booster pump positioned above the water line. The control philosophy is tailored for full autonomous operation. The design, construction, and testing, along with certification to LRS requirements, including performance testing to NFPA-20 standards, are all conducted in-house.

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| Project | FLNG Prelude |
| Operator / End user | Shell |
| Location | Australia – Browse Basin |
| Integration Shipyard | Samsung Heavy Industries |
| Classification | Lloyd's Register of Shipping (LRS) |
| System Net Capacity | 2 x 1.600 m ³ /hr @ 160 mwc (TDH) – 100% 2 x 2.400 m ³ /hr @ 123 mwc (TDH) – 150% |
| Year of delivery | 2013 |
| Diesel engine power | 1305 BkW (1750 BHP) @ 1800 RPM Caterpillar 3512DITA Marine Prop |
| Fire Water Pumps | Pentair – Nijhuis, The Netherlands |
| Hydraulics | Bosch – Rexroth, Germany |

