

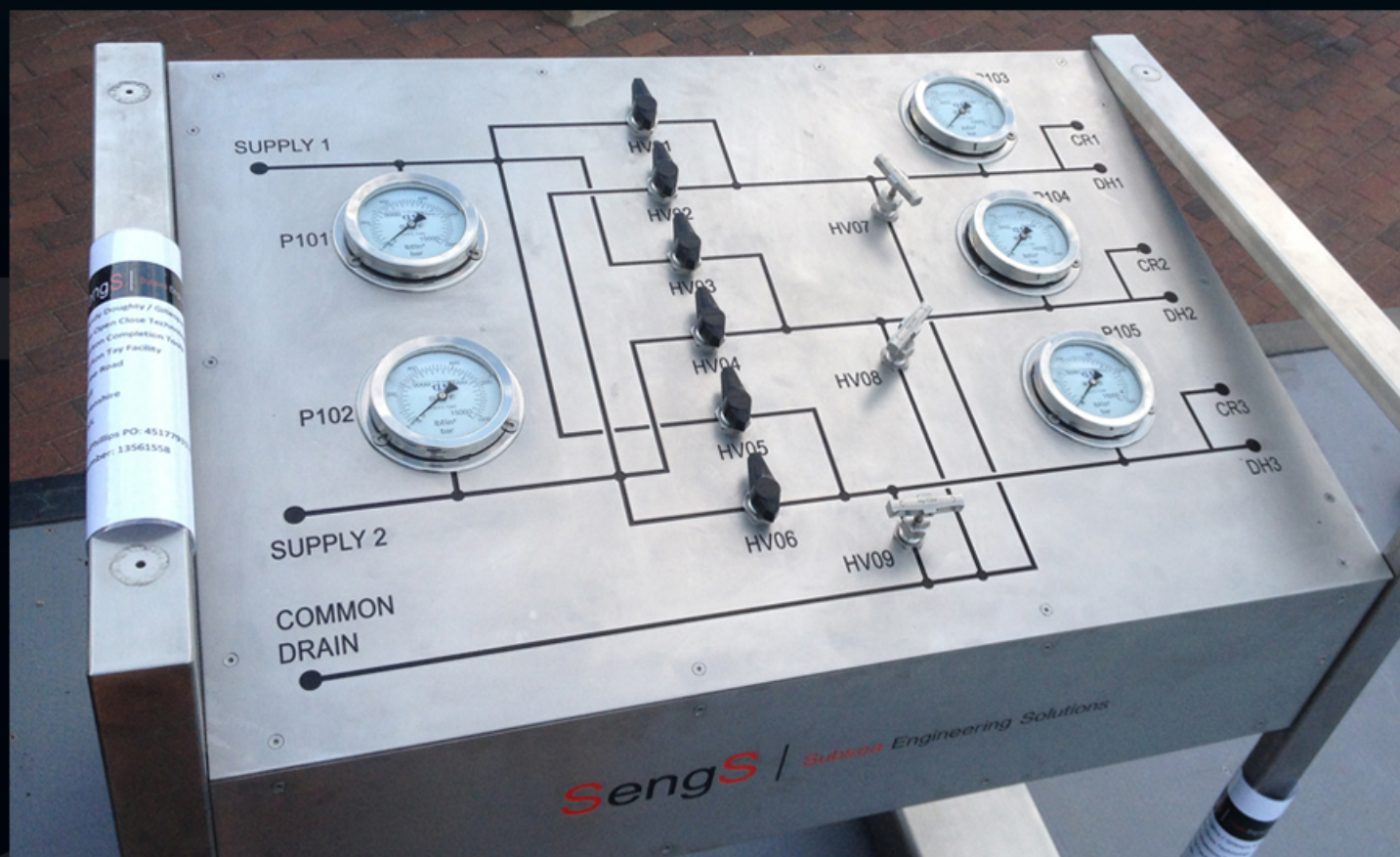
Case Study

Conoco Phillips ICV Control Panel

Project Description

SengS Subsea Engineering Solutions Ltd were contracted by Conoco Phillips to design, manufacture and commission a Interval Control Valve Panel (ICV). The ICV panel consisted of stainless steel frameworks with engraved Flow diagram on the control panel interface. The unit is designed with bottom forklift pockets and additional M8 swivel joints lifting point all manufactured in accordance with the relevant industry standards.

The hydraulic system comprised of two inlets, one return and three outlets all with 6JIC bulkhead interfaces. There is also an auxiliary bulkhead connection for each of the system outlets, these typically shall be used for interconnecting a pressure recording device. The instrumentation/control panel has been designed to offer the operator ease of operation and accessibility. The hydraulic systems have been designed for a high working pressure of 7,500psi and controlled by an arrangement of hand valves (ball & needle) with each of the inlets and outlets having their own respective panel mounted 100mm pressure gauge as reference.



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