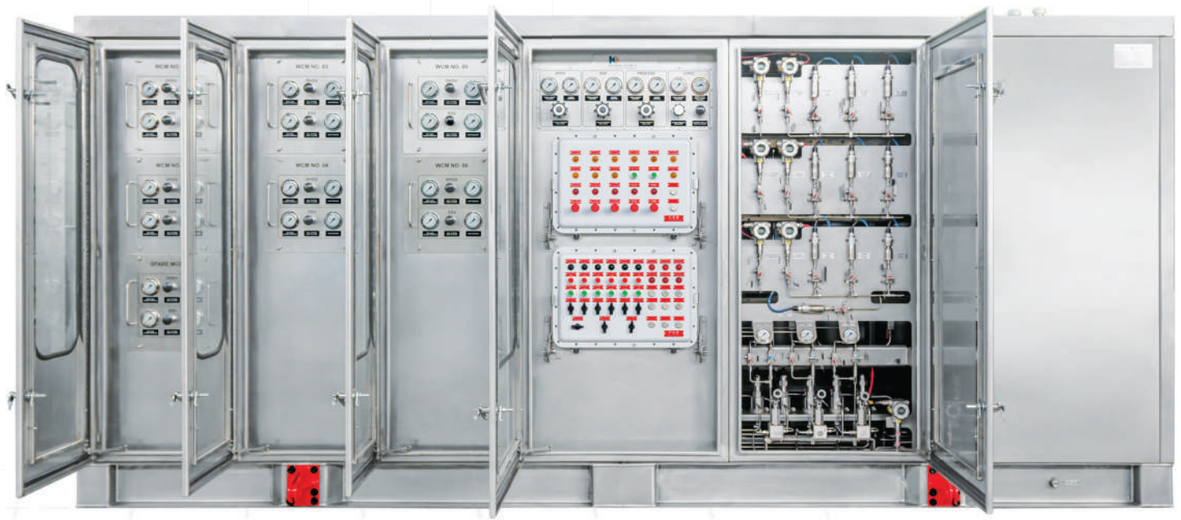
Multi Wellhead Control Panel (MWHCP)

This Wellhead control panel usually use for offshore oil/gas fields; these units are designed as removable drawer module type and generally comprises of supply and DHSV return reservoirs, electrically driven hydraulic pumps, accumulators, pressure regulators, hand pumps, filters and associated control and instrumentation for both, the LP hydraulic supply headers and the HP hydraulic supply headers.
The Wellhead Control Panel is designed as a fully enclosed assembly with the Hydraulic Power Unit providing a common source of hydraulic power for each well control module. The simplicity or complexity of the systems is purely down to the clients request based on the requirements of the project.
Also PLC control systems can be considered as Instrumented Protective System (IPS) for Wellhead valves Open/-Close sequence, Control, Operation and shutdown safety requirements & to meet high degree of Reliability, Availability, Functional safety and complete integrity.
These type of Wellhead Control Panels are designed for controlling the Down Hole Safety Valves (DHSV) Master Valves (MV), Wing Valves (WV), Choke Valves and Gas Lift Valves. The logic signal for controlling the system is hydraulic or pneumatic.

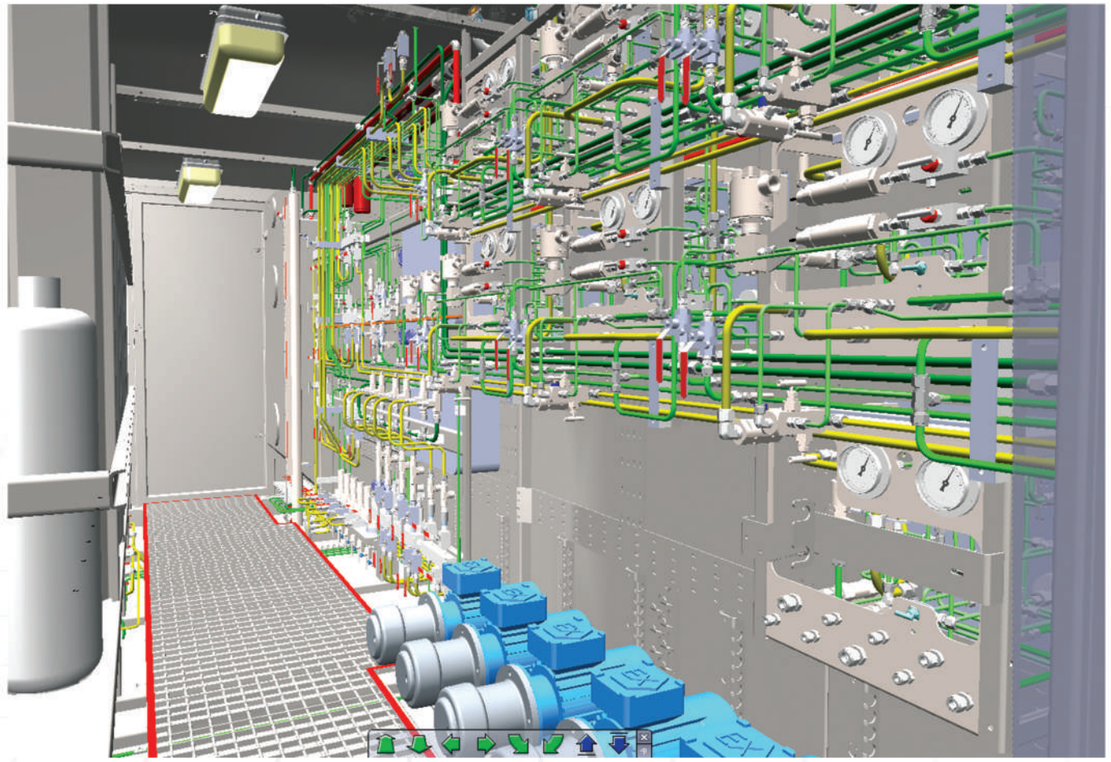


Key Features

- API RP 14C & API RP 14B
- SIL-3 (PLC Base),Eex 'd',NEMA-4X,IP65 Certified Panels
- NACE MR0175/ ISO-15156 Compliant Panels
- Hydraulic/Pneumatic Fusible Plug Loop
- ASME, PED 97/23/EC Design Compliant Components
- Cleanliness Level to any NAS, ISO, SAE Level
- Protective Coating for Harsh Environmental Conditions
- High Pressure High Temperature (HPHT) Panels
- Arctic Service Panels
- 3D Model Design Review
- Reliability and Availability Study
- SS316L and Inconel/904L Tubing Material

Additional Services

- Installation / Training Start -Up Supervision
- Extended Warranty
- Customized Design



WHCPs may have multiple applications, which include, but are not limited to:

- Safe and Sequential Operation of Wellhead Valves (DHSV/SSV/WV Etc.)
- Emergency and Fire Shutdown
- Safe Operation of Riser Valves
- Flow line Pressure Control
- Well Test Operation
- HIPPS /ESD/ Choke Valve Control