



Wellhead Control Systems

In the up- and downstream side of the oil & gas industry the control and monitoring of a down hole valve, master valve or wing valve of a wellhead is of utmost importance. Hazardous areas and extreme weather conditions demand the most stringent requirements to every (control) system involved.

**MODULAR DESIGN,
FUTURE EXPANSION**



Our Wellhead Control systems have been designed and built to meet these requirements and are valued by our clients all over the world due to their high safety, reliability & endurance level and their user-friendly, trouble-free operation.

The capabilities we offer, range from simple hand operated Single-well units up to expandable Multi-well units controlling more than 20 wells with one wellhead control unit. Our Wellhead Control Panels (WHCP) are designed, manufactured, installed and commissioned according customer specifications. The modular design enables future expansion. With decades of history in engineering power systems we can supply your

WHCP with an integrated power unit to suit your needs: being a conventional hydraulic system, a pneumatic system or one with an electro-hydraulic high pressure system.



TECHNICAL CHALLENGES

All our well skilled and trained specialists are capable and qualified to work in hazardous areas, meeting all necessary safety requirements.

Our flexible service organization provides after sales service around the world and handles technical challenges competently within the planned milestone at both on- and offshore locations.

engineering your ambitions

MULTI WELL

Our Multi Well Control Units (MWCU) can control all valves of more than one wellhead. The units have been designed in such a way that the use of only one single power section is required. Outputs are taken from this main power section and divided over the various control sections, thus enabling the operator to control the wellhead.

Reservoir sizes are custom made to fit each customer's individual requirements. For maintenance purposes, a lift off hinge back door is installed. Control panel and devices are located behind front doors with lexan windows. The doors can be opened up to 90 degrees. The amount of safety valves and electrical devices that can be controlled is unlimited. A combination of all available power sources can be used for the MWCU.

Advantages

- Easy to exchange with backup control sections in case of failure
- Clean well area
- One of the cheapest options for additional expansion
- Clear overview of all wells in one panel
- Can be placed in a safe area, since tubing lengths are long

SINGLE WELL

The Single Well Control Unit (SWCU) can control all valves of one single wellhead. There are several designs available which will be used and adapted for a suitable and tailor-made design for each customer, whatever their requirements. This way all our SWCU are custom built and realised with short lead times.

Advantages

- Small length of interconnecting tubing, enabling quick closing times
- No impact at other wells when failures occur
- Easy to transport and handle
- Clear overall layout of the well area

In addition to our Multi and Single Well Control Units, related equipment, such as Fusible Plug Loop panels, Hydraulic Power units and Self Contained Hydraulic Operated ESD Valve panels are also available. As DGI facilities are located in all mayor keyhubs, we can offer support and maintenance worldwide.



MWCU



SWCU and annulus sampling combined in one control unit



SWCU, WCP and annulus sampling for leaning well



SWCU A-style