



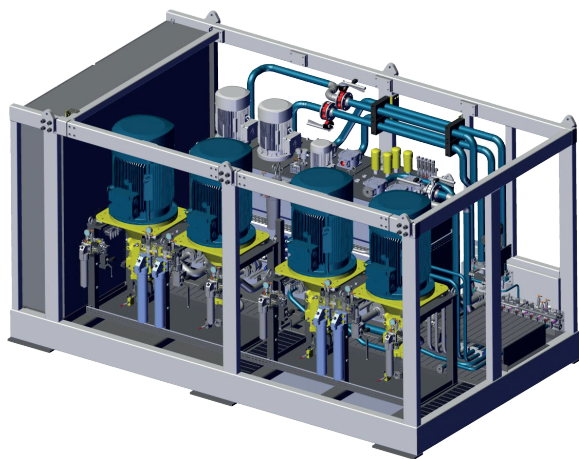
## Applications

Customized power units and systems for drilling installations and mobile machinery.

Soundproof power units with endothermic engines.

Control system of:

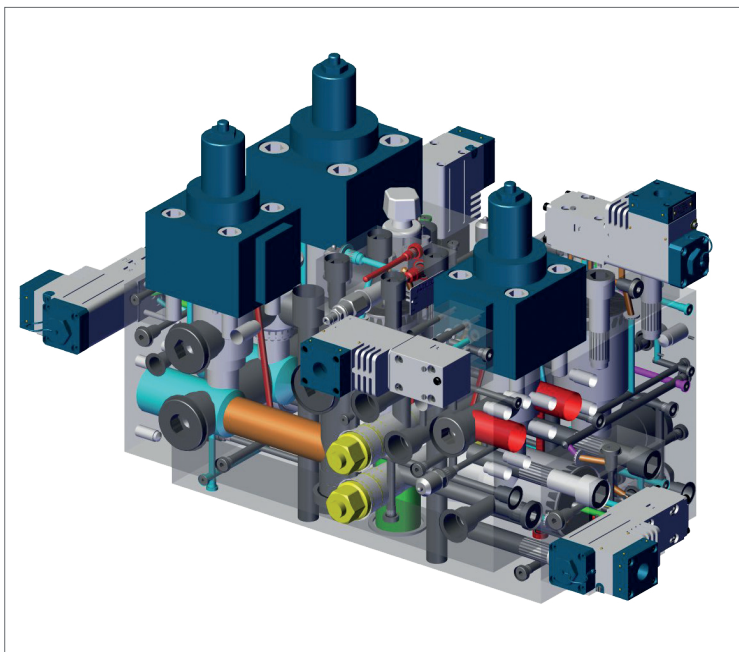
- Pull/down – floating – push/pull
- Hole drilling
- Driving head
- Rotary
- Main and auxiliary winch
- Vice
- Mill
- Grapple bucket
- Antenna/Mast
- Torque wrench
- Back-torque limiter
- Power tong
- Tilting



## Services

- Manifold, HPU (Hydraulic Power Unit) and Integrated System full engineering
- Fluid dynamics simulation
- Structural calculation
- Deep analysis and check of every single system parameter with specific and official report release
- Final operational test of the whole system
- World Wide commissioning with high level expertise technicians
- Rigid and flexible piping and on-site full assistance
- 40 years-experience in the hydraulic field and a very passionate team of engineers and technicians who work every day close to our customers

## Key Components



- Aisi 316 valves
- Aisi 316, duplex filters
- Aisi 316 accumulators
- Proportional valves IECEx, ATEX
- Inox air/oil heat exchanger
- Swagelok®, Gyrolok®, Ermeto® fittings
- Closed and open loop pump & motor
- Aisi 316 tank
- ATEX IECEx accessories
- High flow cartridge valves

## Expertise

<b>Power:</b>	up to 1400 kW [1880 hp]
<b>Flow rate:</b>	up to 800 l/min [210 gpm]
<b>Pressure:</b>	up to 420 bar [6000 psi]
<b>Temperature:</b>	-40 °C +60 °C [-40 °F +140 °F]
<b>Certifications:</b>	according to: DNV GL, ABS, BV, RINA, LR, CCS, KR, RMRS, ATEX, SIL, PED requirements
<b>Process Control:</b>	WPS, PQR, NDT, mechanical stress and wearing tests
<b>Engineering international standards:</b>	UNI EN ISO 16228, UNI EN ISO 13849, IEC61508, IEC61511, ASME, EU Directives rules and specifications
<b>Painting:</b>	up to C5M cycle, based on customer specifications
<b>Surface treatments:</b>	phosphating, electrolytic protections, nitrocarburizing, stainless steel surface finishing
<b>Materials:</b>	AISI 316L, 6MO, duplex, ergal