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The Omron Oilfield & Marine logo is centered on the right side of the page. The background features a large, stylized white circle containing an image of an offshore oil rig. The rig is a complex structure with a tall derrick and various platforms. The overall color scheme is blue and white, with a red gradient at the bottom right.

OMRON
OILFIELD & MARINE

Power Conversion & Control



Omron Oilfield & Marine provides power distribution switch gear for land and offshore rigs and for AC and DC drilling systems. The company is the industry leader in applying AC technology to oil and gas drilling.

AC technology is replacing DC technology on new rigs, and is being retrofitted to many older rigs. It is more efficient and provides more precise control of position, speed and torque. It also reduces fuel requirements and the AC induction motor requires less maintenance. AC technology delivers the reliability and performance required for directional wells and for today's more demanding drilling programs.

VFD HOUSE

Omron Oilfield and Marine is the manufacturer of the entire control system. This allows customers to deal directly with the factory for parts, service and support and eliminates layers of distribution often found when working with competitive products.

A variety of beneficial features accompany each model including:

- Field proven in harsh, demanding environments across a range of industries.
- AC drive technology is integrated with cutting edge PLC technology.
- AC drives regulate drawworks, mud pumps and top drive.
- Motor control systems actuate remaining auxiliary and peripheral loads.
- Engine generator control cubicles regulate the prime movers.

These features result in the following benefits:

- Highest efficiency verses DC
- Precise control of position, speed, and torque
- Reduced maintenance and downtime
- Reduced fuel consumption
- Improved process control and power factor
- More powerful programming and reduced harmonics
- Inverter and motor protection
- 150 percent torque at zero speed
- Multi-function analog and digital inputs and outputs
- Digital fault diagnostics and power loss ride-through
- Hunting prevention and critical frequency lockout
- Electronic thermal overload protection
- Overcurrent, overvoltage and overtemperature protection

SCR HOUSE

Omron Oilfield & Marine manufactures industry standard 42 foot SCR houses or we can custom design a house that will fit virtually any rig model. Omron SCR houses are designed with lock out/tag out systems that meet or exceed industry safety standards.



We're not taking AC to the industry- we're taking the industry to AC.