

Jack-up Oil Rig Torque Transmitters Monitor Leg Loads

MCRT® 39000X devices from S. Himmelstein accurately measure torque for control and verification of loads on oil rig support legs. They enable load monitoring during jacking operations and help maintain stability on uneven and shifting sea beds and strong currents.

Mounted between the electric motors and pinion drive gearboxes on each leg's truss, the system transmits data via a two-wire 4-20 mA loop to the Control Room. Because the MCRT® 39000X torque instrument measures the source load distribution directly it enables a significantly faster response time than other systems. No need to guess the location of stress on the rig's structure. This advance warning of any change or movement of weight helps prevent damage to decks and jacking equipment.

Because of its extremely high immunity to noise interference, high safety margins, and maintenance-free design, the MCRT® 39000X has been certified by both ABS and DNV to become a standard for oil field use.

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MCRT®
39000X

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