



Leg-Encircling Cranes

Wire-luffing leg-encircling cranes SWL 200t–2500t

TTS offshore cranes are designed and built for long-term endurance. They undergo rigorous fatigue testing in order to withstand harsh and heavy-duty applications. They also comply with international standards and are certified by established classification societies such as DNV GL, ABS and LR.

TTS

Capacity

SWL 200t-2500t

Radius

30m-110m

Operation

Lift boats, jack-ups for oil and gas, and wind energy

TTS NMF delivers a wide range of leg-encircling cranes (LEC), which can be used for heavy lifting tasks during installation, construction, commissioning and decommissioning operations. Like all TTS NMF cranes, this type of offshore crane has an unlimited slewing range of 360° and is outfitted with a roller slew bearing.

The jack-up leg opening, which is set in a columnar or triangular lattice structure, can be extended

up to 14m. The LEC has an electro-hydraulic (closed-loop) driving system. All equipment and machinery are located inside the machine house to protect them against the marine environment. The offshore crane is equipped with at least two power packs.

In case of failure of one power pack the crane is still operational at reduced speeds. Redundancy can be provided by installing two independent power supplies or an emergency supply inside the crane. The LEC can also be optionally equipped with an active and passive heave compensation system.

TTS NMF offshore crane designs are characterised by their ability to increase efficiency and operational capability for the operator.



Additional features

- Personal transport (auxiliary-hook)
- Anti-collision system
- CCTV camera system
- Reverse power system
- Remote maintenance system
- MOPS/AOPS
- Constant tension
- Active heave compensation system

