

LETOURNEAU

A Keppel Company



Keppel LeTourneau
RIG OF TOMORROW

BUILT on experience DRIVEN by vision

The Rig of Tomorrow



ROBUST
PERFORMANCE

ENHANCED
EFFICIENCY

CUSTOMIZED
LIFE-CYCLE CARE

At **Keppel LeTourneau**, we are designing the next generation of rigs to deliver better results while reducing OPEX.

With improved Key Performance Indicators (KPIs) that focus on performance targets instead of equipment specs, the Rig of Tomorrow will deliver **robust performance**. Targeted POB reduction brought about by increased automation will ensure **enhanced efficiency**. Integrated big-data infrastructure allows for critical decisions to be made remotely, guaranteeing **customized life-cycle care** for your rig.



IMPROVING
PERFORMANCE

LOWERING
OPERATING
EXPENSES

INNOVATING
FOR THE
FUTURE



REDUCE OPEX

- Increased Autonomy
- Reduced Fuel Expenditure
- Open Deck Plan
- Cuttings Handling Considered in Vessel Design
- Rig Care and Vessel Care System (Asset Digital Solution)
- Integrated Third Party Services
- Integrated Well Test and Managed Pressure Drilling Systems
- Improved Life Cycle Design (Reduced Inspection Cycles)



INCREASE DRILLING AND WELL INTERVENTION EFFICIENCY

- Higher Allowable Skidding Loads for Drill Floor and Cantilever
- Collaboration Room for Centralized Control and Management of Operations
- Safe Zone Management System Compatible
- Automated Drilling Systems
- Advanced Drilling Equipment and Systems



INCREASE RIG MOVE PERFORMANCE

- Enhanced Move on and off Location Criteria
- Leg Monitoring System
- Leg Motor and Gear Box Monitoring System
- Two Speed Jacking Motors
- Preload Monograms to optimize operation time



HARSH AND BENIGN ENVIRONMENT OFFERINGS

- Vessel designed for benign environments (340ft WD)
- Also capable in harsh environments (500ft WD)
- Improved Mooring and Towing Design
- POB 120 -150



HEALTH, SAFETY, AND ENVIRONMENT

- Human Factors Engineering
- Manual Handling Considerations in Vessel Basic and Detail Design
- Safe Zone Management
- Reduced Carbon Emissions/Greenhouse Gas Emissions
- ESS System (Battery Power Source)
- Reduced Hydraulic Systems
- Improved Vessel Spill Containment System
- Cyber Security System
- Ergonomic Accommodations Arrangement



MITIGATE FLAT TIME EXPOSURE

- KLeT Evolution Skidding System (Increased Allowable Skidding loads)
- Innovative Electrical BOP Handling System
- Advanced Pipe Handling System
- Open Cantilever Deck
- Reduce/Eliminate Drill Line Slip and Cut Exposure
- Increased Fluid Capacities
- Dedicated Storage Areas

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Keppel LeTourneau USA, Inc.

5177 Richmond Ave. Suite 950
Houston, Texas 77056
USA

Tel: +1 713 408 3568 / +1 281 757 6945

Email: Engineering.USA@keppelletourneau.com
SpareParts.USA@keppelletourneau.com
Service.USA@keppelletourneau.com

Keppel LeTourneau Middle East FZE

Office No: LB16504
Jebel Ali
Dubai
United Arab Emirates

Tel: +971 04 8860010 Fax: +971 4 8860012

Email: SpareParts.UAE@keppelletourneau.com
Service.UAE@keppelletourneau.com

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WWW.KEPPELLETOURNEAU.COM