



**Schlumberger**

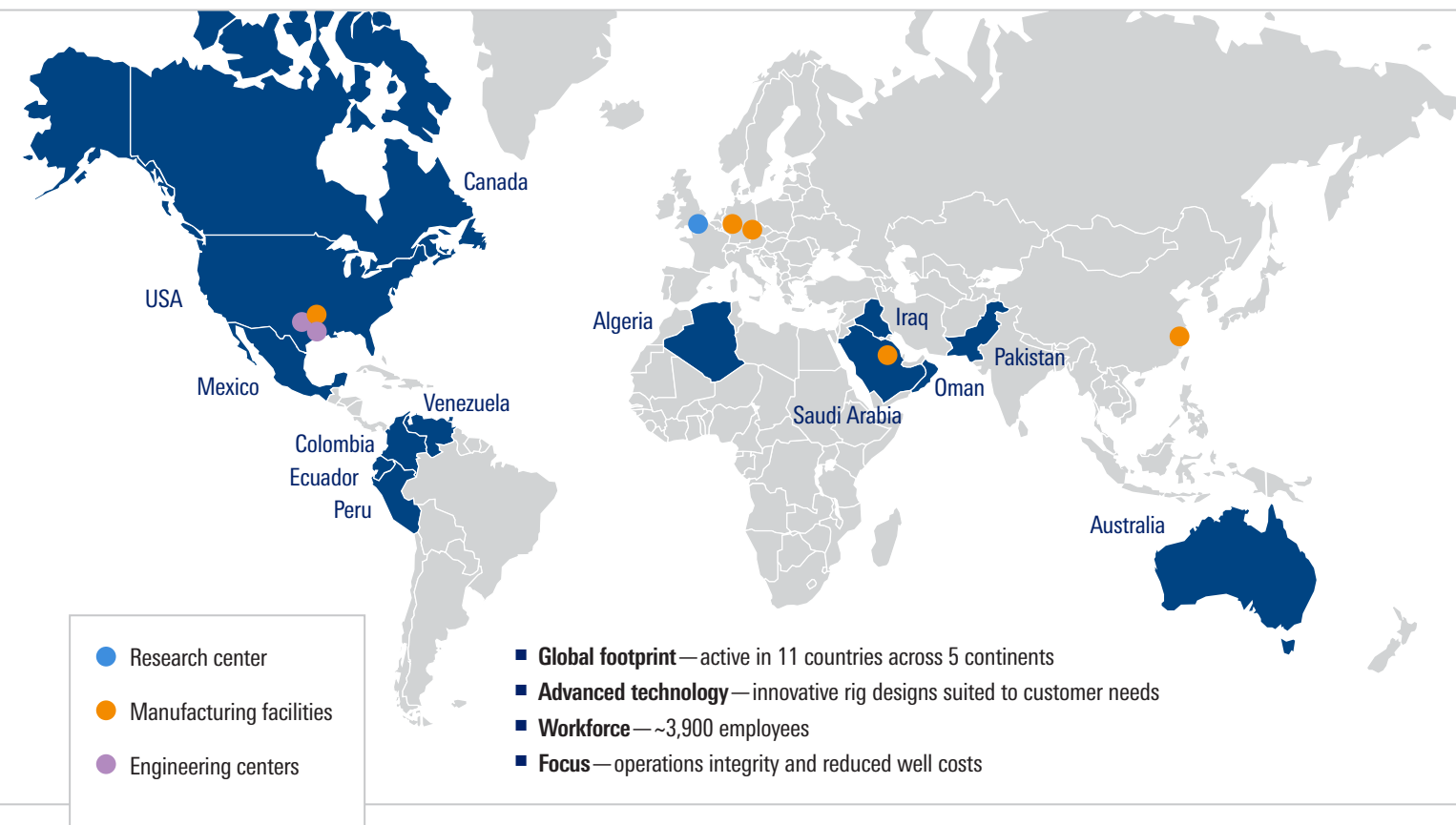


Schlumberger Land Rigs



Beginning with the formation of Forex Neptune and our joint venture with Arabian Drilling Company and continuing with the recent acquisition of Saxon Energy Services, **Schlumberger Land Rigs** has more than 50 years of international drilling experience. Employing approximately 3,900 people and representing more than 30 nationalities, our fleet of 100-plus drilling and workover rigs are found in North America, South America, the Middle East, Asia, and Australia.

## Worldwide Presence





**Our advanced-technology rigs** provide superior safety and drilling performance, delivering significantly lower well costs through higher productivity and reliable, trouble-free operations.

## Advanced Rig Technology



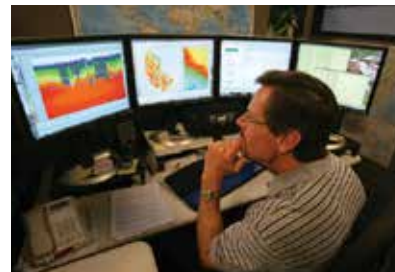
*Quality measurements and instrumentation for precise control.*



*Controls for the implementation of closed-loop drilling automation.*

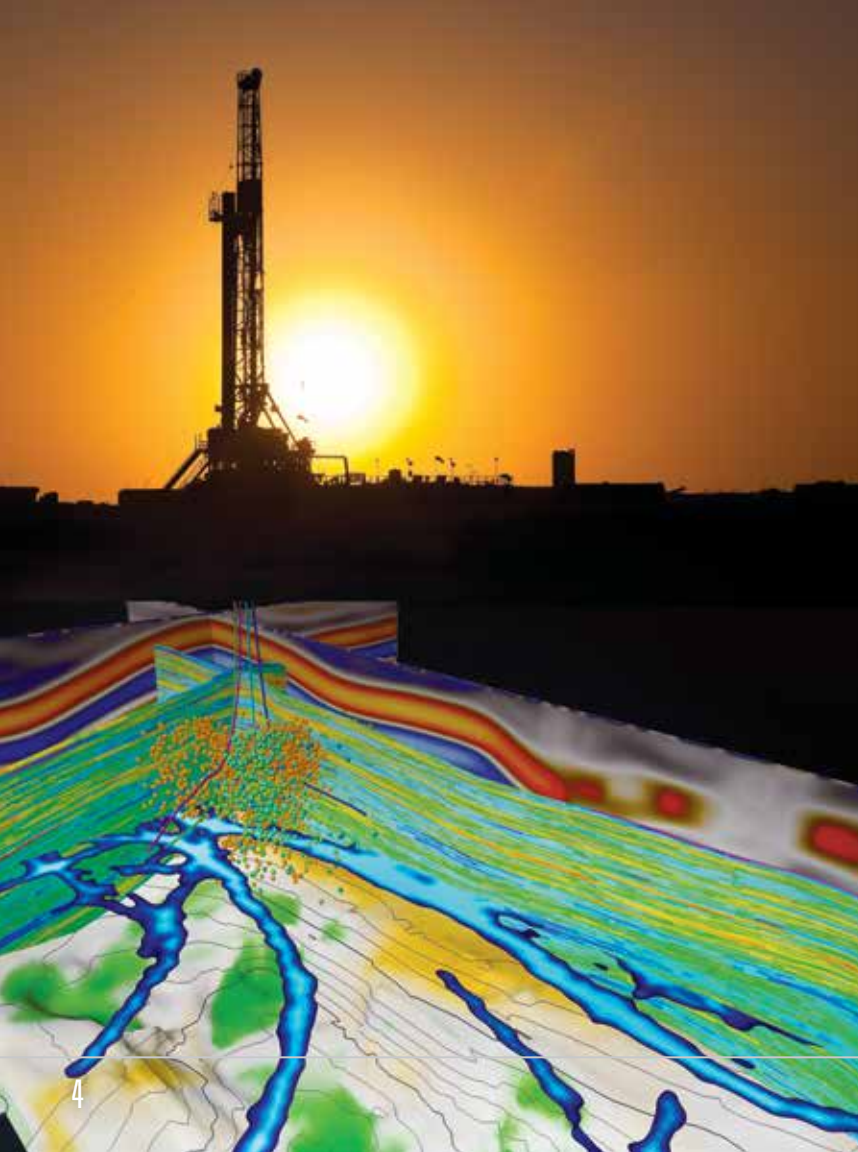


*Integration of services at the rig design stage for increased efficiency.*



*Control centers for predictive maintenance, remote troubleshooting, and remote operations support.*

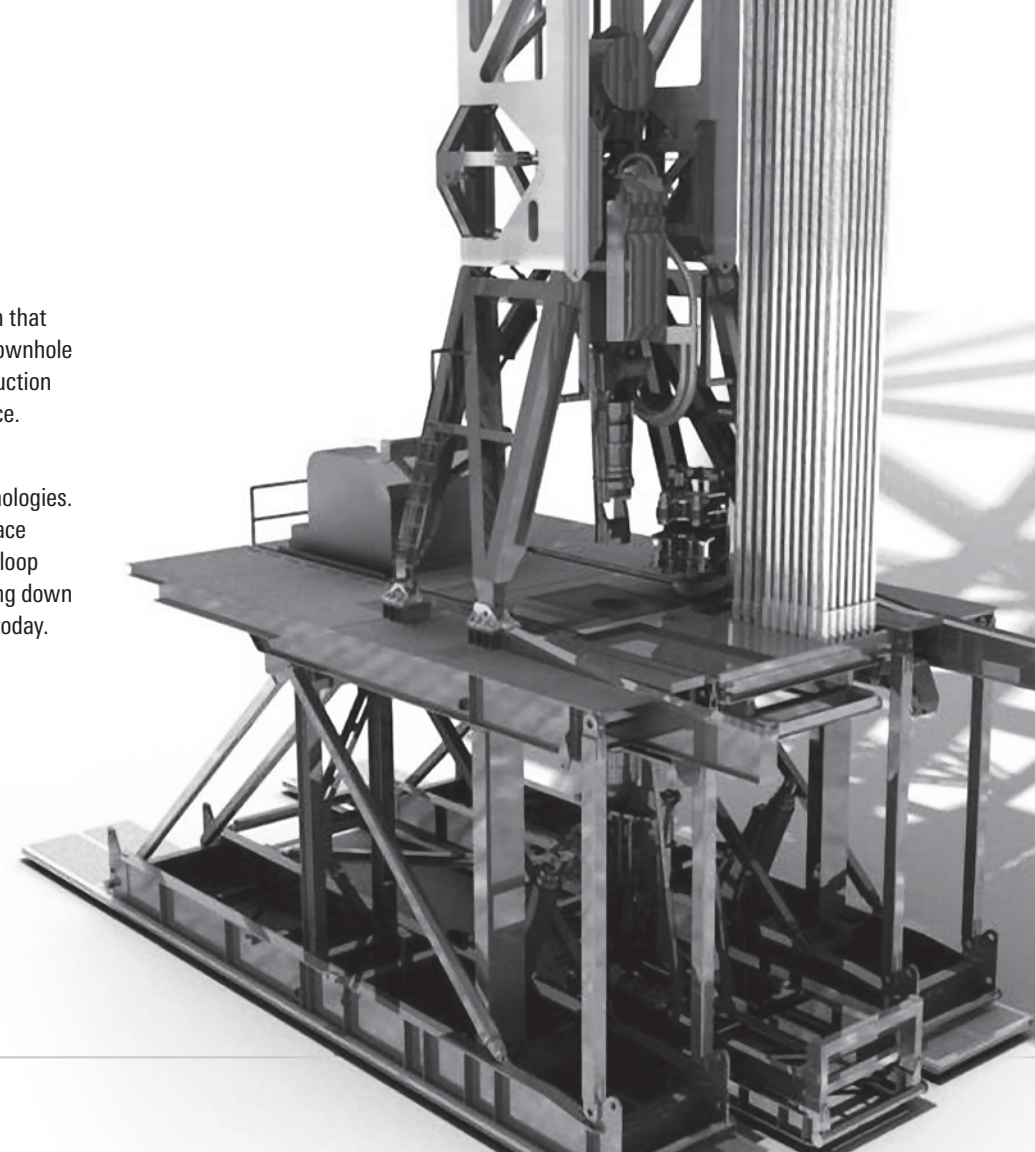




# Transforming Well Construction

**Our mission:** Evolve our rigs into a well construction platform that can be combined with our industry-leading capabilities in downhole drilling optimization, providing a truly integrated well construction service to deliver a step change in overall drilling performance.

Enabled by Schlumberger proprietary software, the platform facilitates the full integration of downhole and surface technologies. Starting with concurrent well engineering based on subsurface modeling, the resulting well program is used to drive closed-loop workflows and dynamic scheduling of rig operations, breaking down the traditional siloed approach to service execution on a rig today.



**Our integrated well construction platform** combines every aspect of the well construction process using advanced rig hardware, along with integrated controls and pioneering software, to deliver customer wells at the most optimal cost.

- **Improved surface and downhole equipment reliability** by streamlining and controlling the drilling operation, along with preventative health monitoring of key components.
- **Reduced NPT** through improved equipment reliability, wellbore quality, and pressure control.
- **Reduced invisible lost time** by optimizing the process for planned flat-time-related tasks (e.g., tripping, logging, running casing, and cementing) in association with rig hardware and crew efficiency.
- **Reduced flat time** by removing nondrilling-related events and improving logistics, including rig mobility.
- **Increased drilling performance** through higher-quality measurements combined with closed-loop workflows, integrating surface and downhole elements in a common drilling system.

# Features and Benefits



## Safety

- Mechanization and automation, along with rigorous competency training and assessment processes, for lower HSE risk (moving personnel out of hazardous zones), and consistent rig mobilization and drilling practices across different crews, locations, and conditions.

## Reliability

- Extensive QC and commissioning processes, redundant critical equipment, plus remote and predictive health monitoring to ensure smoother drilling.

## Mobility

- High-mobility, compact-footprint rig incorporating walking and skidding systems with mechanized, craneless rig-up.

## Performance

- Integrated workflows to increase well construction productivity and reduce overall well costs by eliminating NPT and invisible lost time.

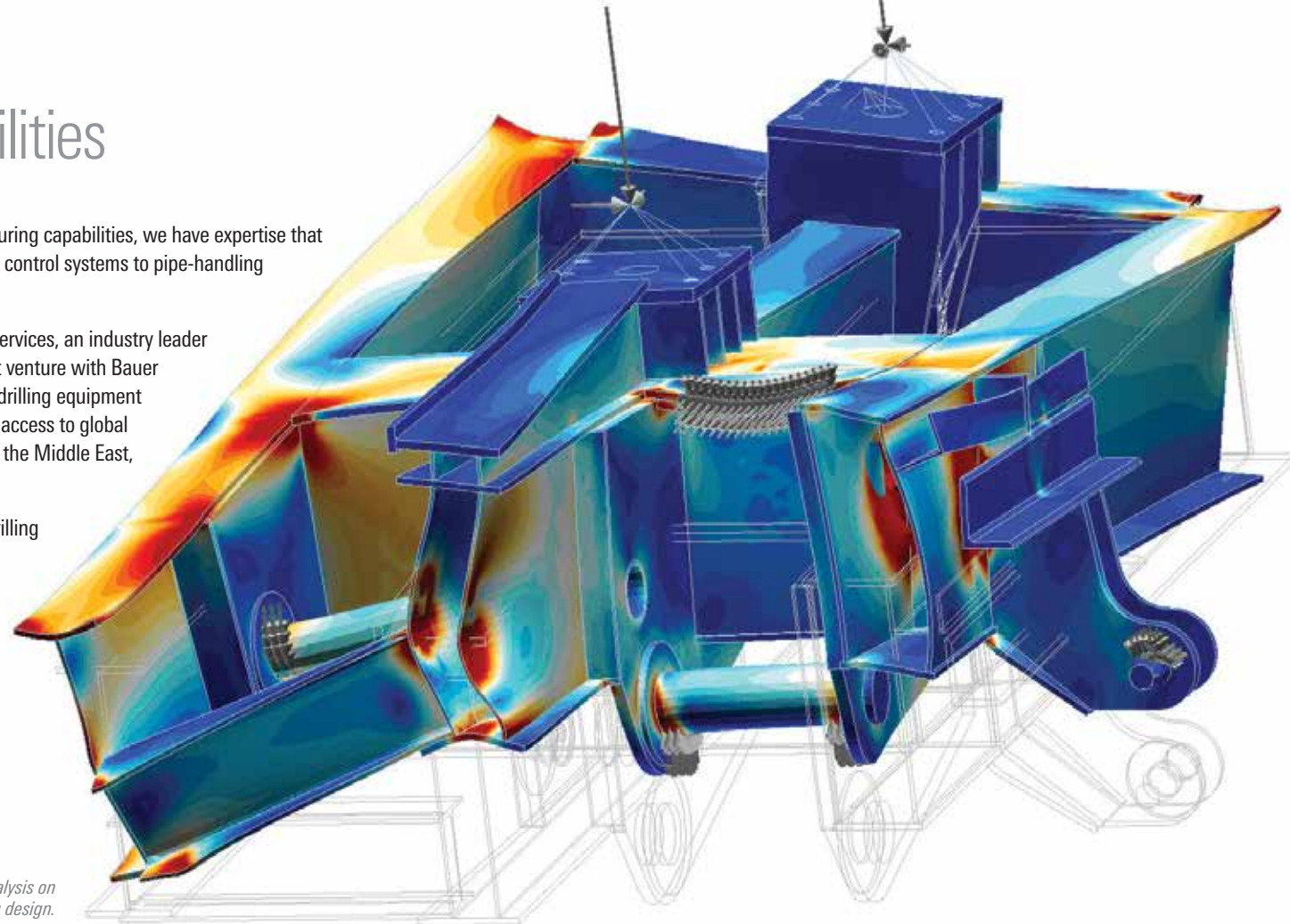


# End-to-End Capabilities

With complete design, engineering, and manufacturing capabilities, we have expertise that ranges from pressure control devices and software control systems to pipe-handling equipment and Topdrives.

In 2015, we acquired US-based T&T Engineering Services, an industry leader in land rig design. We have also established a joint venture with Bauer Maschinen GmbH, the world leader in foundation drilling equipment manufacturing. Through this partnership, we have access to global rig manufacturing capabilities in Germany, the US, the Middle East, and Asia.

These capabilities, coupled with our established drilling services and product offerings, give us the unique in-house capability to develop a truly integrated well construction offering.



*Load stress analysis on structural element during design.*



Complete design, engineering, and manufacturing capabilities



# Top-to-Bottom Efficiency



**Schlumberger Land Rigs** meets increasing industry demands for more wells drilled in less time with increased safety through improved drilling efficiency, consistency, and operational reliability. With a modular, more compact rig design, preventative health monitoring, and the ability to link subsurface knowledge with automated surface controls, operators can now achieve end-to-end efficiency and reduced cost per well in land drilling operations.



## Our People

Schlumberger Land Rigs recruits top talent, training and developing personnel throughout their career. Progression includes a competency assessment program for all critical positions, performance-based evaluations, and global career opportunities.

Our workforce is made up of 94% local employees who bring regional expertise and understanding. We have a diversity of 42 nationalities with our top 40 managers comprising 14 different nationalities.

Delivering efficiency,  
drilling consistency,  
and operational reliability.

# Rig Specifications



## ADVANCED-TECHNOLOGY-DESIGN RIGS

Component	ATS320/400	ATD400	ATD500/550	ATD750
Power	Alternating current variable-frequency drive (AC-VFD)	AC-VFD	AC-VFD	AC-VFD
Drawworks power, hp	1,200	1,200	1,500	1,600
Hookload capacity, lbm	320,000/400,000	400,000	500,000/550,000	750,000
Topdrive load bearing, lbm	500,000	500,000	700,000	800,000
Topdrive torque, lbf.ft	24,000	24,000	30,000	39,000
Mast	Hydraulic Single Telescopic	Hydraulic Double Telescopic	Range II Telescopic Double	Range II Telescopic Double
Mud pump power, hp	1,000	1,000	1,600	1,600
Mud pump pressure, psi	5,000	5,000	5,000	7,500
Substructure	Step down and elevated floor	Step down and elevated floor	Elevating step down	Hydraulic slingshot
Skidding system	Hydraulic lift and roll	Hydraulic lift and roll	Bidirectional hydraulic pull	Hydraulic lift and roll
Pipe handling	Hydraulic stabbing arm	Hydraulic stabbing arm	Automated pipe racking and dual makeup power catwalk	Automated pipe racking and dual makeup power catwalk
Mobile crane	Not required	Not required	Not required	Not required

## MAVERICK RIGS

Component	T550	T750	T1000
Power	AC-VFD	AC-VFD	AC-VFD
Drawworks power, hp	1,500	1,600	2,000
Hookload capacity, lbm	550,000	750,000	1,000,000
Topdrive load bearing, lbm	700,000	800,000	1,000,000
Topdrive torque, lbf.ft	30,000	39,000	39,000
Mast	Range II Triples	Range II Triples	Range II Triples
Mud pump power, hp	1,600	1,600	1,600
Mud pump pressure, psi	5,000	7,500	7,500
Substructure	Hydraulic slingshot	Hydraulic slingshot	Hydraulic slingshot
Skidding system	Lift and slide	Lift and slide	Lift and slide
Pipe handling	Optional	Optional	Optional
Mobile crane	Not required	Not required	Not required

## NEXT-GENERATION RIGS

Component	T750	T1000	T1500
Power	AC-VFD	AC-VFD	AC-VFD
Drawworks power, hp	1,600	2,000	3,000
Hookload capacity, lbm	750,000	1,000,000	1,500,000
Topdrive load bearing, lbm	800,000	1,000,000	1,500,000
Topdrive torque, lbf.ft	39,000	39,000	39,000
Mast	Range II Triples	Range II Triples	Range II Triples
Mud pump power, hp	1,600	1,600	2,200
Mud pump pressure, psi	7,500	7,500	7,500
Substructure	Hydraulic slingshot	Hydraulic slingshot	Hydraulic slingshot
Skidding system	Hydraulic lift and slide	Hydraulic lift and slide	Hydraulic lift and slide
Pipe handling	Automated pipe racking and offline stand building	Automated pipe racking and offline stand building	Automated pipe racking and offline stand building
Mobile crane	Not required	Not required	Required



# Schlumberger Land Rigs

End-to-end efficiency and cost savings  
for land drilling operations



## Schlumberger Land Rigs offices

### Headquarters

23400 Colonial Parkway  
Katy, Texas USA 77493

### Eastern hemisphere

Office 2001-2003, Nasima Tower  
Trade Center 1, Sheikh Zayed Road  
Dubai, UAE

[slb.com/LandRigs](http://slb.com/LandRigs)