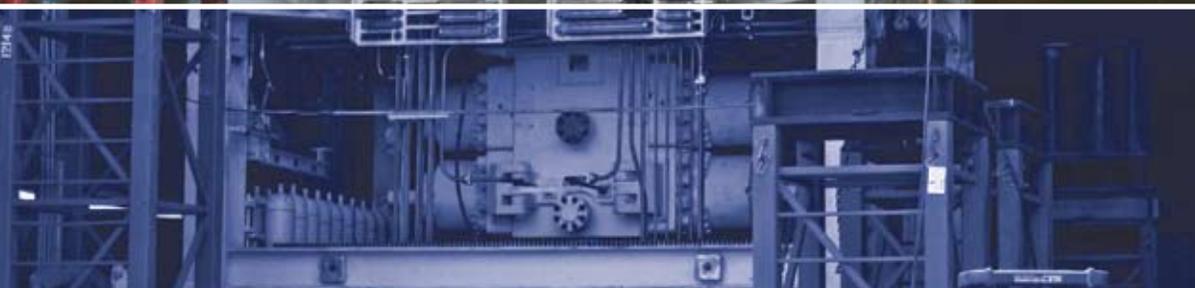


# DRILLING SYSTEMS

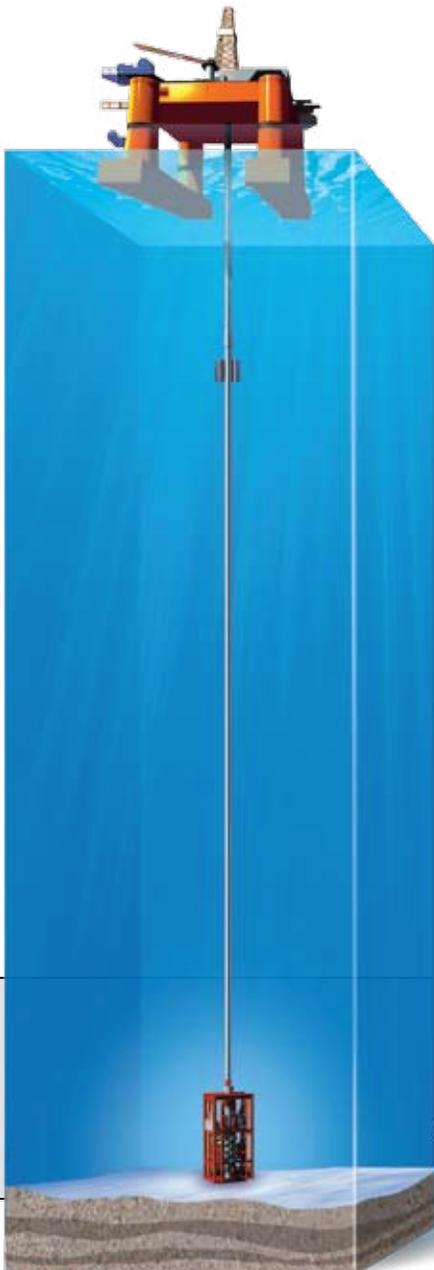


# Drilling Systems

## What deepwater demands, we can deliver

---

Intense demand for oil and gas has amplified the need to drill in deeper, more hostile environments. These projects demand technically sophisticated systems with high reliability and quality assurance. Oil States Industries is the pioneering partner you need to succeed. We combine advanced engineering design, skilled manufacturing and integration capabilities with a rock-solid safety record – everything you need to go deep with confidence.



## Our History Runs Deep

---

Oil States has supplied innovative products and services to the offshore oil and gas industry for more than 65 years. Our integrated drilling solutions cover everything from drill floor Spider/ Gimbals to sea floor BOP stack/ LMRP systems.

## One Source. Diversified solutions. That's Oil States.

---

Oil States offers industry-leading products and services for drilling and much more:

- FlexJoint® products for TLPs, FPSOs and other applications
- Subsea pipeline and flowline connections and pipeline repair systems
- Winches, mooring systems, cranes and other deck equipment
- Grouting packers, pile grippers and other fixed platform products
- Merlin and other advanced connection systems for offshore tubulars
- Repair and refurbishment services for surface and subsea equipment

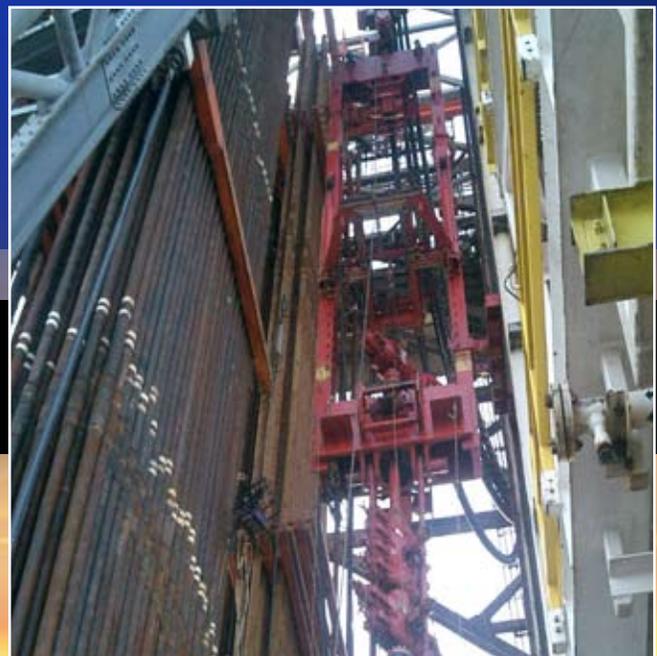
**A Leader in  
BOP and Drilling  
Systems Integration**

# Drilling Systems Integration

With our experience in engineering solutions for the world's deepest drilling projects, Oil States has become a highly sought after partner in deepwater environments. Our integrated approach enables customers to maximize efficiency from deck operations to sea floor, incorporating technologies that include:

- FlexLoop™ systems
- BOP stack upgrades
- BOP/LMRP carts, sleds and frames
- BOP transporter/carrier systems
- Coil tubing lift frames – motion compensated
- Specialized tools: hang off, lift, tree/stack handling
- Pipe, casing and riser handling carts and systems
- Underhull guidance systems
- Spider/Gimbal systems
- Choke and kill lines
- Work platforms
- Riser joints and connector systems for surface-BOP applications
- FlexJoint® products

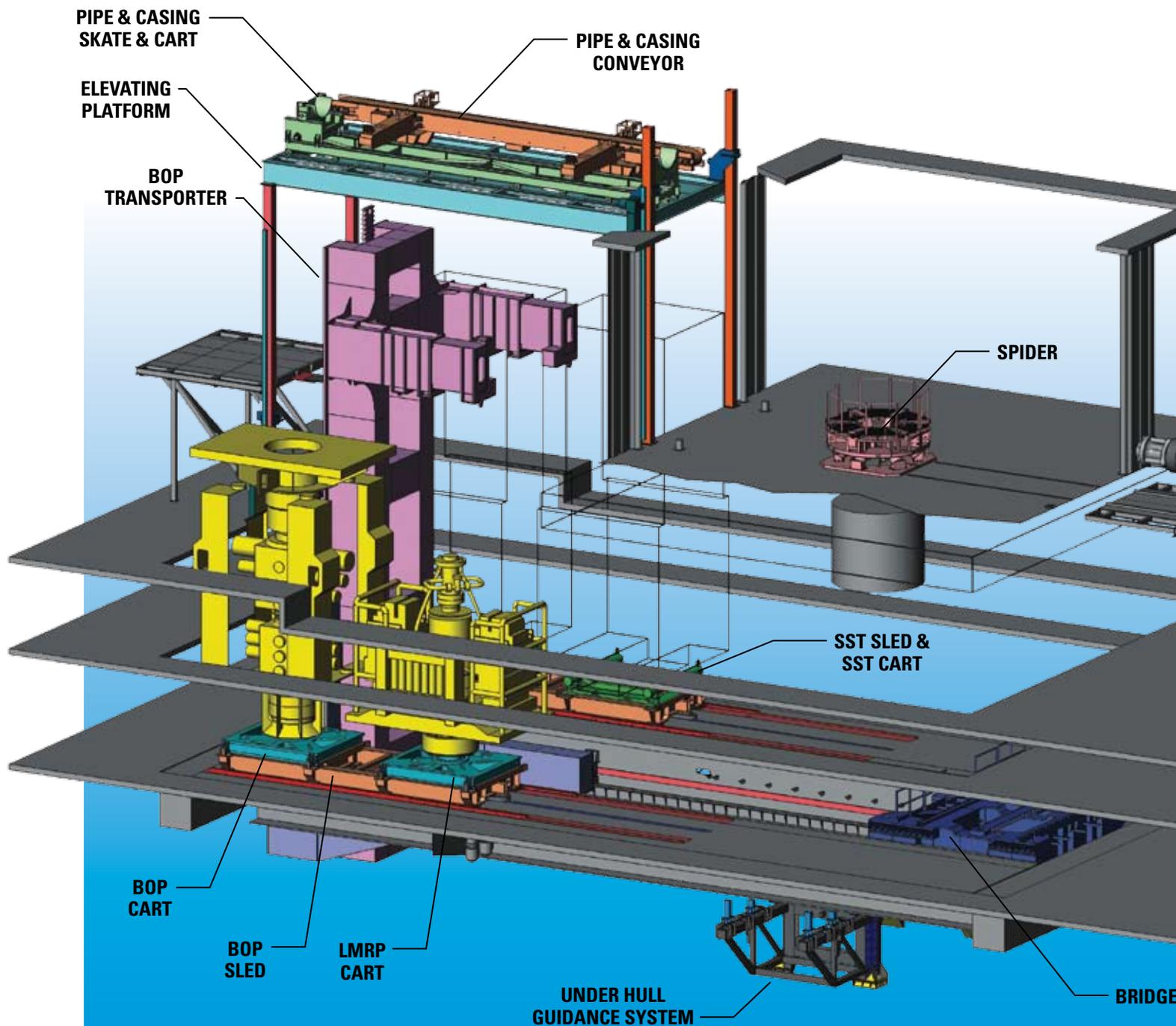
*Oil States' engineers can design equipment ranging from simple pipe and riser handling systems to highly complex BOP/LMRP transporter systems.*



# Systems Overview

## Optimize

Integrating diverse system operations saves time and money over the life of your project by accelerating pipe handling and other operations. Oil States project engineers design from a holistic systems perspective, maximizing opportunities to consolidate functions, improve reliability and reduce costs.





BOP Transporter



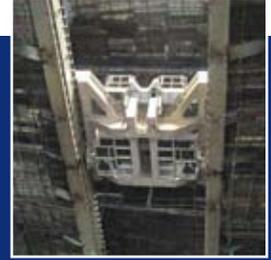
LMRP with FlexLoops and FlexJoint® installed



Subsea Tree Cart and Sled



Spider Gimbal

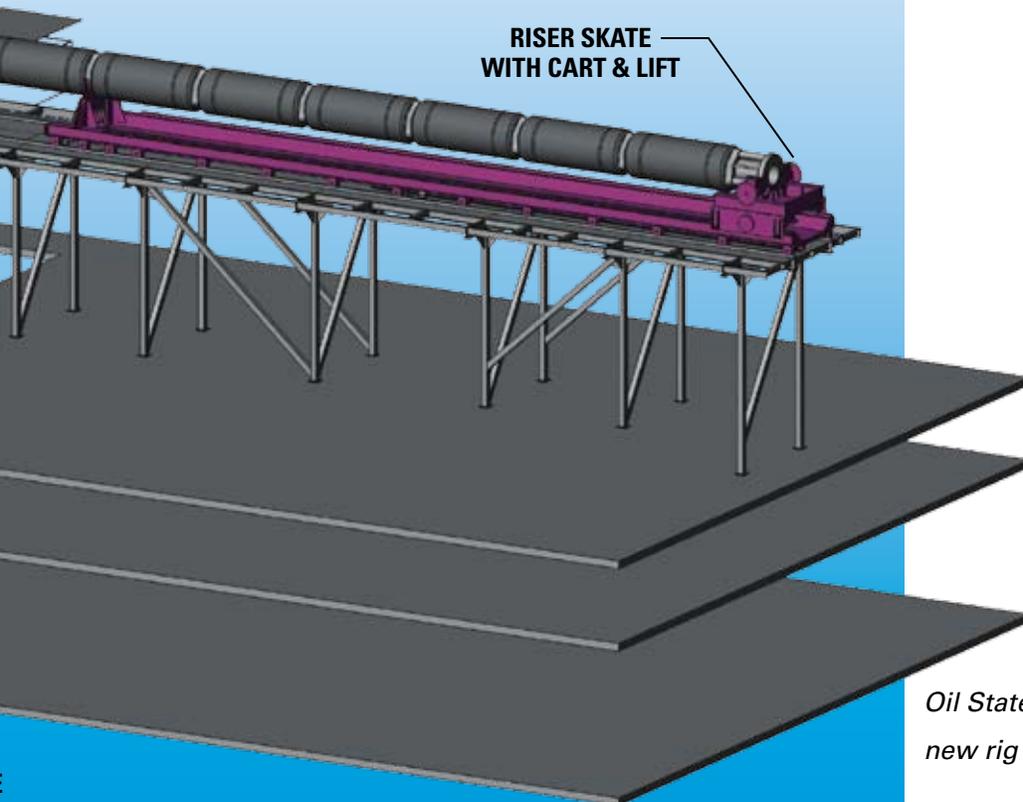


Bridge

## Streamline

Integrating systems also gives our customers a single point of contact during the design, fabrication, testing and commissioning processes. The result is a higher level of quality assurance, better communication, and improved scheduled performance.

Concurrent in-house testing and certification of components and subassemblies during fabrication can reduce costly delays. Completed systems can be put into full production at delivery, without additional third-party testing or documentation. The bottom line is time, materials and labor savings *and* faster product throughput.



*Oil States offers total system solutions for both new rig construction and existing rig upgrades.*

# Upgrade and Retrofit Services

Under demanding market conditions, you don't always have the luxury of purchasing new equipment, which means you need smarter ways to work with what you have – fast. Oil States provides safe, efficient and reliable upgrade and retrofit solutions while maintaining your established production schedules.



*Our state-of-the-art machine shop utilizes the latest in CNC technology. Large assemblies to 100,000 lbs (45,360 kg) can be machined after weld-out where tolerances are critical. Oil States Houston is an ISO 9001:2000 certified facility where safety is the top priority in all operations.*



*We utilize the latest 3D solids modeling programs to ensure precise fit, form and function.*

**One Source...  
Diversified Solutions**

# FlexJoint® Technology

Oil States' FlexJoint technology offers customers the most innovative elastomeric solutions for deepwater drilling challenges. The FlexJoint is designed to accept tensions, loads and stresses created by movement or reaction forces to the BOP stack. Solutions are available at the diverter, intermediate and subsea level.



*Drilling BOP/LMRP System*



*Custom engineered FlexLoops ensure quality and reliability in the most hostile ultra-deepwater environments. They are formed, tested and certified to handle high temperatures and abrasive conditions.*

## Logistics Matter

---

Oil States facilities specializing in drilling products and services are strategically located in all of the world's major offshore operating regions to ensure efficient turnarounds.

With fifteen manufacturing locations worldwide and more than 2,000 employees, Oil States Industries remains committed to providing the most innovative drilling products to make your project a success.



Oil States Houston Facility



Oil States Houston Ship Channel Facility



**OIL STATES INDUSTRIES, INC.**

[www.oilstates.com](http://www.oilstates.com)

**OIL STATES HOUSTON  
SALES, MANUFACTURING  
& SERVICE:**

6120 E. Orem Drive  
Houston, Texas 77048  
Tel: +1 713 445 2210  
Fax: +1 713 445 2380  
email: [houston-sales@oilstates.com](mailto:houston-sales@oilstates.com)

**OIL STATES HOUSTON  
SHIP CHANNEL:**  
16730 Jacintoport Blvd.  
Houston, Texas 77015  
Tel: +1 281 247 7400  
Fax: +1 281 247 7401

**WORLDWIDE SALES OFFICES:**

**OIL STATES INDUSTRIES, INC.**  
1155 Dairy Ashford  
Suite 700  
Houston, Texas 77079  
Tel: +1 713 510 2200  
Fax: +1 713 510 2307

**OIL STATES INDUSTRIES, INC.**  
Lokkeveien 103  
4001 Stavanger  
Norway  
Tel: +47 400 03 707  
Fax: +47 515 09 640

**OIL STATES INDUSTRIES,  
(UK) LTD.**  
Blackness Road  
Altens Industrial Estate  
Aberdeen AB12 3LH  
Scotland, UK  
Tel: +44 (0)1224 896190  
Fax: +44 (0)1224 896199

**OIL STATES INDUSTRIES,  
(NIGERIA) LTD.**  
No. 50C Glover Road  
Ikoyi, Lagos  
Nigeria  
Tel: +234 1 2718363  
Fax: +234 1 2718364

**OIL STATES INDUSTRIES,  
(ASIA) PTE. LTD.**  
13A Pandan Crescent  
Singapore 128478  
Tel: +65 6773 7555  
Fax: +65 6773 7667

**OIL STATES INDUSTRIES, INC.**  
102Bis/M Le Lai Street  
District 1  
Ho Chi Minh City  
SR Vietnam  
Tel: +84 8 3925 3545  
Fax: +84 8 3925 0123

**OIL STATES INDUSTRIES, INC.**  
36, Bd des Oceans  
13275 Marseille Cedex 9  
France  
Tel: +33 491 40 89 35  
Fax: +33 491 40 14 82

**OIL STATES INDUSTRIES, INC.**  
Suite 5 1 F Amirov Street  
AZ1000 Baku  
Azerbaijan  
Tel: +994 12 5981 125  
Fax: +994 12 4 379 125