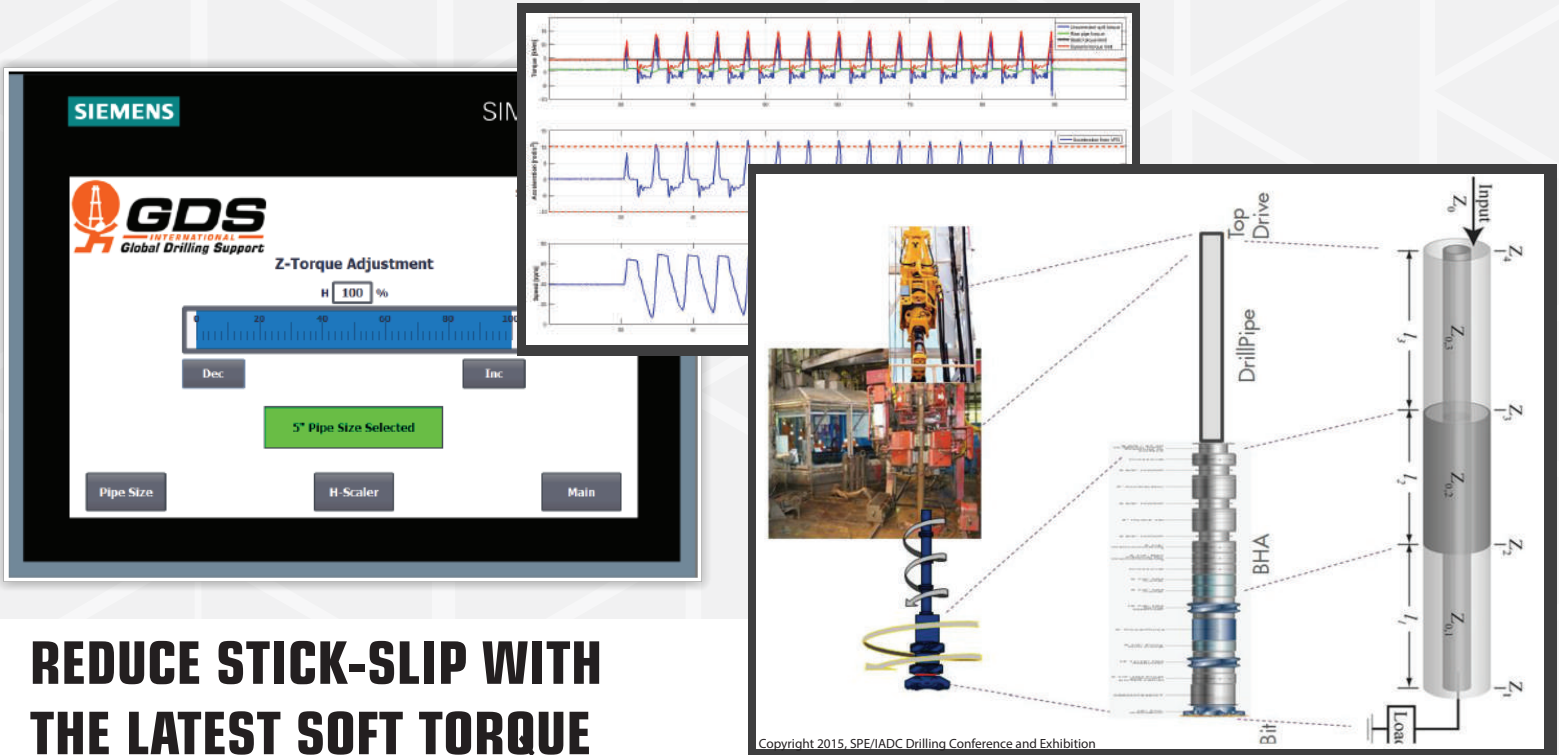


# Z TORQUE

## DRILLING SMOOTHLY, DRILLING FASTER WITH SHELL SOFT TORQUE TECHNOLOGY



## REDUCE STICK-SLIP WITH THE LATEST SOFT TORQUE ROTARY SYSTEM LICENSED WITH SHELL

Many operators are now requiring a soft torque rotary drilling system. GDS has the latest Z Torque technology to help reduce drillstring vibration and control RPM of the drillbit resulting in smoother, faster drilling. GDS has successfully installed Shell's Z Torque and we are ready to help you expand stick-slip free operating envelopes and simplify tool operation. GDS can install, train, and monitor with this stick-slip mitigation software on all industry standard top drives, including the Global Drilling Machine (GDM.)

### BENEFITS OF Z TORQUE

- ▶ Does not need to be tuned since it seeks to reduce reflection of all torque waves at a broad spectrum of frequencies at the top drive, which aims to reduce the reflection of torsional energy back to the bit and thus reduces the ability of standing waves (or stick slip) to develop.
- ▶ The system has been shown to be effective at eliminating 1st order stick-slip and reducing 2nd and 3rd order stick-slip.

**24 HOUR SUPPORT**  
**+1 713 623-1449**

learn more at:  
[sales@globaldrillingsupport.com](mailto:sales@globaldrillingsupport.com)

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



## TOP DRIVE REPAIRS AND RECERTIFICATIONS

GDS built its reputation as an outstanding service company by providing quality top drive repairs and completing over 400 recertifications around the world. Our experienced technicians have decades of technical knowledge on the largest variety of top drives in the industry. We specialize in emergency quick-turn repairs at our strategically located facilities in Houston, Dubai, and Tyumen, Russia. GDS performs vertical run testing on all top drive systems, utilizing our custom-designed dynamometer to ensure that your top drive is ready for high performance in the field. We also service catwalks, drawworks, traveling blocks, service loops, pipe handlers, and IBOP actuators. GDS fully complies with all industry licensing, including API Spec 8C (license number: 8C-0161).

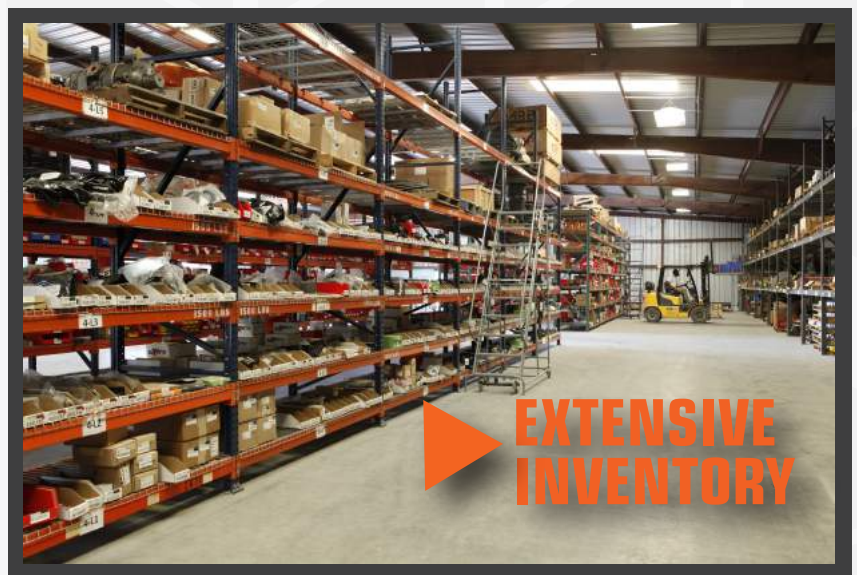
- ▶ API CAT I, II, III, IV, and IV inspections
- ▶ Major overhauls
- ▶ Dyno testing
- ▶ Hydraulic and electric models
- ▶ Equipment repairs  
(Catwalks, Service Loops, Pipe Handlers, and more)



## SPARE PARTS

GDS is an expert at sourcing the critical OEM top drive parts of all makes and models. Give us a call today! +1 713 623 -1449

- ▶ Extensive inventory
- ▶ Long lead-time parts in stock
- ▶ Parts for all makes and models
- ▶ OEM replacement parts
- ▶ Stock locations worldwide
- ▶ Fast, friendly service!



**EXTENSIVE  
INVENTORY**

For more information, contact your GDS Sales Rep  
or [sales@globaldrillingsupport.com](mailto:sales@globaldrillingsupport.com)

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