



## The Motors You Trust For Extreme Environments

**In critical applications, drilling downtime is costly.** MTI Motion's brushless motors for oil drilling applications are engineered to be durable, efficient, and reliable over the expected operational lifetime while extending battery life to run your system.

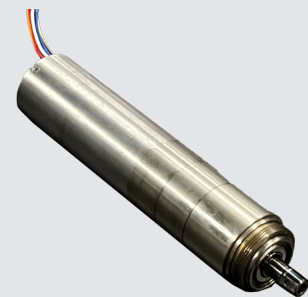
Since 1946, we've been manufacturing customized motors for harsh environments. Our expertise in engineering and operational excellence allows us to provide reliable motor technology to our partners all over the world.

### Downhole Applications:

MWD (Measurement While Drilling)  
RSS (Rotary Steerable System)  
OPT (Oriented Perforating Tool)  
Wire Line Drilling

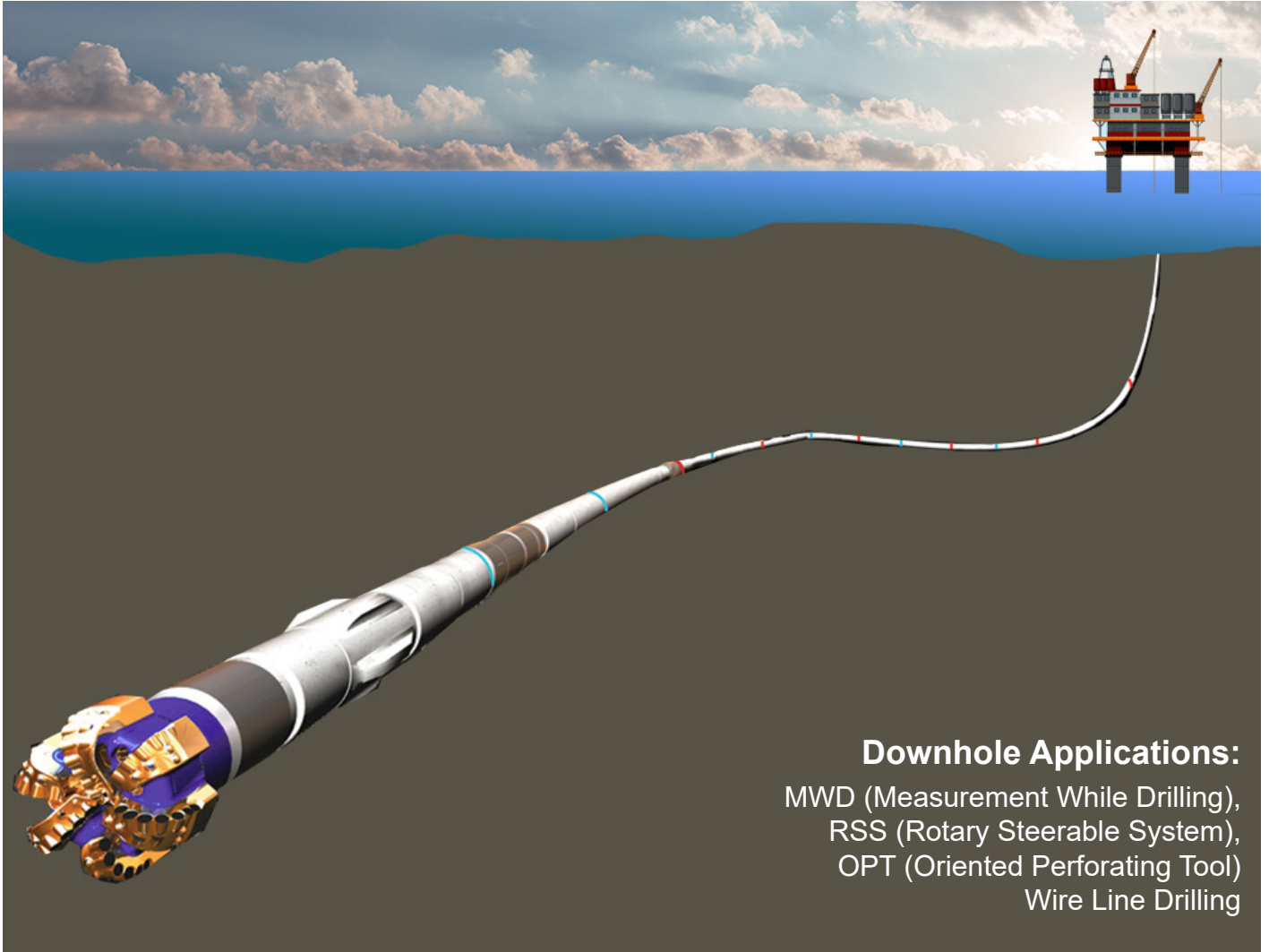
### FEATURES:

- Tested to 20,000 psi in oil
- High Temps Up to 220°C\*
- Corrosion Resistant Materials
- Designed To Reliably Function In Contaminated Oil
- Custom Windings Available
- Feedback: Resolver, Hall Effects, or Sensorless



*\*using resolver control*

# OIL & GAS DRILLING OPERATIONS



## Downhole Applications:

- MWD (Measurement While Drilling),
- RSS (Rotary Steerable System),
- OPT (Oriented Perforating Tool)
- Wire Line Drilling

MTI Motion also designs and manufactures custom ball screws

Brushless Motors



Ball Screws



Discuss your motor and ball screw specifications with an MTI Motion Engineer: [info@mtimotion.com](mailto:info@mtimotion.com)

## Custom Motors:

- Rugged, compact design
- High shock and vibration environments
- Custom Options:
  - Integrated Ball Screw
  - Various Output Shafts

## Custom Ball Screws:

- Case-hardened alloy steel or stainless steel