

# Downhole Capabilities





# Engineered solutions for every operation

## Reliability with every turn

We provide diverse, technologically advanced tools and equipment designed to meet the needs of your operation. Our innovative systems offer speed, safety, and reliability, increasing your performance. With locations spread around the world, we can provide you with efficient support where needed, when needed.

We channel our experience into creating reliable tools you can trust.

Our trained, highly qualified personnel provide experience and competency, constantly improving the production of our equipment through **Certified Assembly**.

Using our **Full Product Traceability**, we track the ways you use our tools and analyze the data to provide us with the insight we need to engineer future technology and improve current designs.

Through our **eShop System**, we maintain our tools in NOV Certified service facilities. By integrating downhole reliability data and the Electronic Document System (EDS) with our Track-A-Tool system, we're able to improve the efficiency and quality of our service. We can even manage predictive maintenance so components at or near their wear or hour threshold can be repaired or replaced as necessary—and before they fail.

### Customer Training

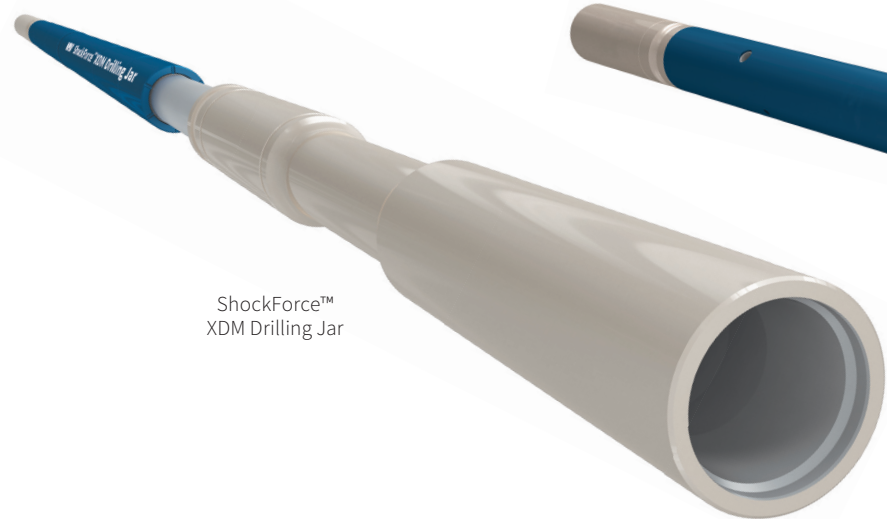
Our customer training accelerates the development of oil and gas professionals, whether it is with drilling technology or service equipment related course offerings.

With a vast and growing portfolio of competency-focused, instructor-led courses and certification, we prepare your workforce to deliver more value by doing things right the first time.

Courses are available at NOV training centers globally, and our team of expert instructors is also available to travel worldwide to provide training at your location.



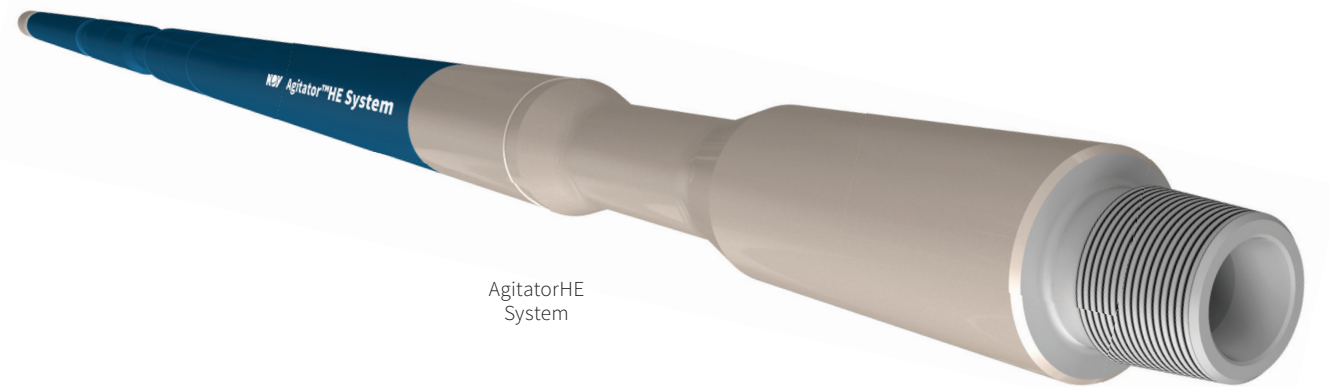




ShockForce™  
XDM Drilling Jar



MOCS G2



AgitatorHE  
System

## Drilling Tools

We design and manufacture quality drilling tools for all operations. No matter where you are, we can help you choose the right tools for your BHA for any application, anywhere in the world. Our wide selection will help you improve performance and achieve drilling success.

### Stroking Tools

- Drilling Jars
- Drilling Intensifiers
- Griffith™ Shock Tool
- Drilling Bumper Subs

### Drill Stem

- MOCS G2
- Tool Stabilizers
- Reamers and Wipers
- Collars

## Agitator Systems

With the largest fleet and the most experience, our Agitator™ systems have provided unparalleled friction reduction through axial oscillation. Drawing on 70,000 proven runs, we designed the new AgitatorHE System that supplies higher friction-breaking energy, helping you reach higher ROP and get the most out of your well. With an Agitator system in your drillstring, you can drill faster and drill farther.

### Agitator System

AgitatorHE System

AgitatorHE PLUS System

Agitator Fishing System

HIGHFLOW Agitator System

AgitatorLITE System





Drilling Motor

QuaDRIL™  
Drilling Motor

## Vector Motor Technologies

For optimal drilling, you need a motor specifically tailored for the challenges of your drilling environment, and NOV has the widest offering of motor technology on the market. Whether you need a solution for a vertical, curve, or lateral drilling application, we can recommend and provide the components you need for the most reliable performance.

We can also offer the right elastomer for the job. Our new PXP™ elastomer builds upon the strong legacy of our PowerPLUSTM RR (PRRTM) and PowerPLUS oil-based (POBTM) elastomers. Offering more versatility than previous compounds, the latest generation of PowerPLUS elastomers may be used across a wider range of mud types.

### Mud Lube

Series 34

Series 40

### Oil Sealed

Series 39

Series 24XH

Series 36

Series 50

Series 36i

Series 36Ei



FluidHammer  
Performance  
Drilling Tool

## FluidHammer Performance Drilling Tool

We've engineered new technology that has revolutionized the industry. The FluidHammer performance drilling tool increases ROP, improves reliability, and allows for drilling in new and challenging applications.

With its high frequency axial motion, the FluidHammer tool can increase ROP, decrease drilling time, and reduce wear on the bit – saving you money even in the most challenging formations.





## Valkyrie™ Abandonment System



## Bowen Intervention Tools

Our comprehensive range of Bowen™ tools offers the diversity you require for your well intervention and fishing needs. Bowen is the original name in fishing, and we have been designing quality tools for almost 100 years. When we created the first overshot in the 1930s, we set the standard for all fishing operations across the globe, and we continue to design and provide the world's most advanced intervention technology.

### Fishing Tools

- Overshots
- Spears
- Die Collars
- Taper Taps

### Jarring and Friction Reduction Tools

- Jars
- Intensifier™ Tools
- Bumper Subs
- Surface Bumper Jars
- Agitator Fishing Systems

### Milling and Cutting Tools

- Mills
- Cutters
- Washover Equipment
- Casing Exit Systems

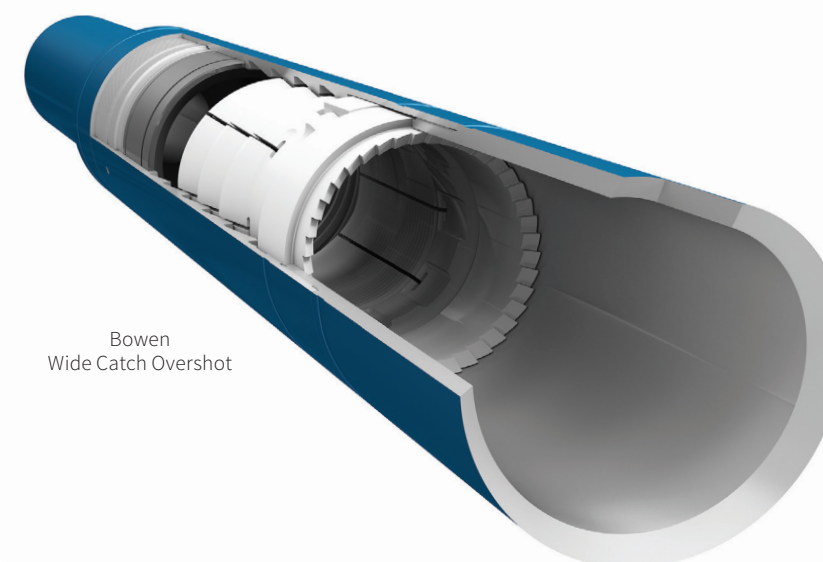
### Well Integrity and Repair Tools

#### Wellbore Cleaning Tools

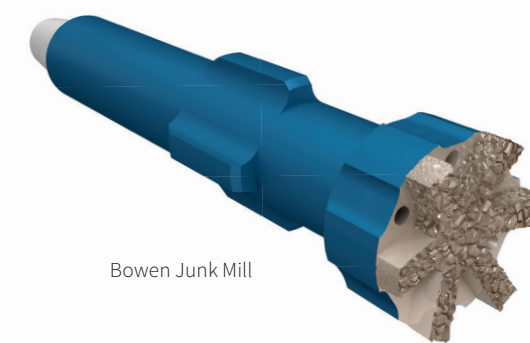
- Magnets
- Casing Scrapers
- Junk Baskets

### Valkyrie Abandonment System

#### Accessories

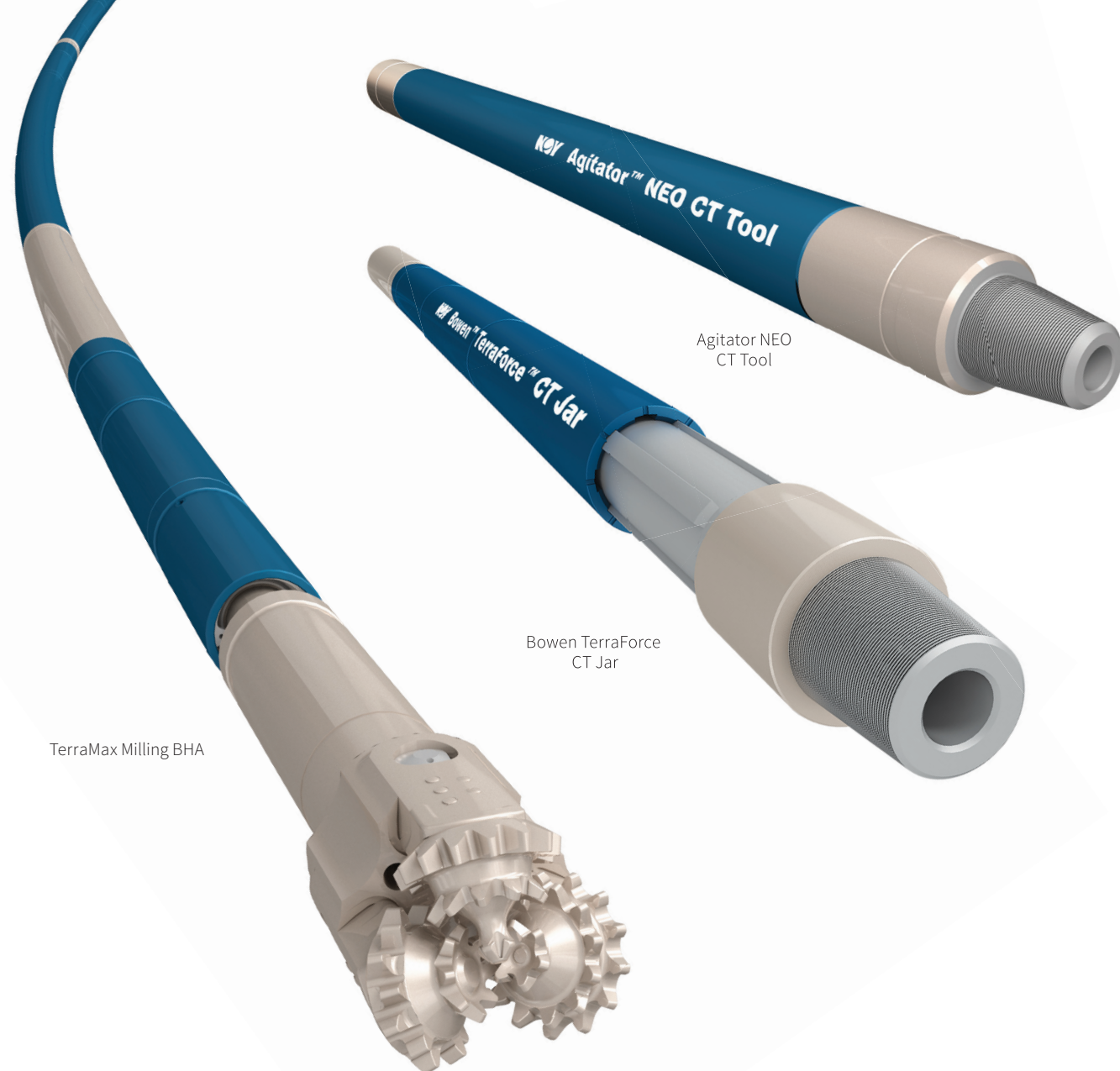


Bowen  
Wide Catch Overshot



Bowen Junk Mill





TerraMax Milling BHA

Agitator NEO CT Tool

Bowen TerraForce CT Jar

## Coiled Tubing

We offer a broad range of engineered, high performance tools designed for today's demanding applications. We deliver optimized solutions you need for milling, intervention, and completions applications — including unconventional. To improve the performance and reliability of your operation, we can provide a complete, tailored BHA for your coiled tubing application. And with our experts in coiled tubing services and solutions around the world, we can provide the support you need when and where it's required.

### Primary Tools

- Coiled Tubing Connectors
- Back Pressure Valves
- Hydraulic Disconnects
- Motorhead Assemblies
- Circulating Subs

### Fishing Tools

- Bowen TerraForce™ Coiled Tubing Jars
- Bowen Coiled Tubing Intensifiers
- Bowen Overshots
- Bowen Spears
- Grab Tools

### Motors

- PowerPLUS Motors
- HEMIDRIL™ Motors

### Extended Reach Tools

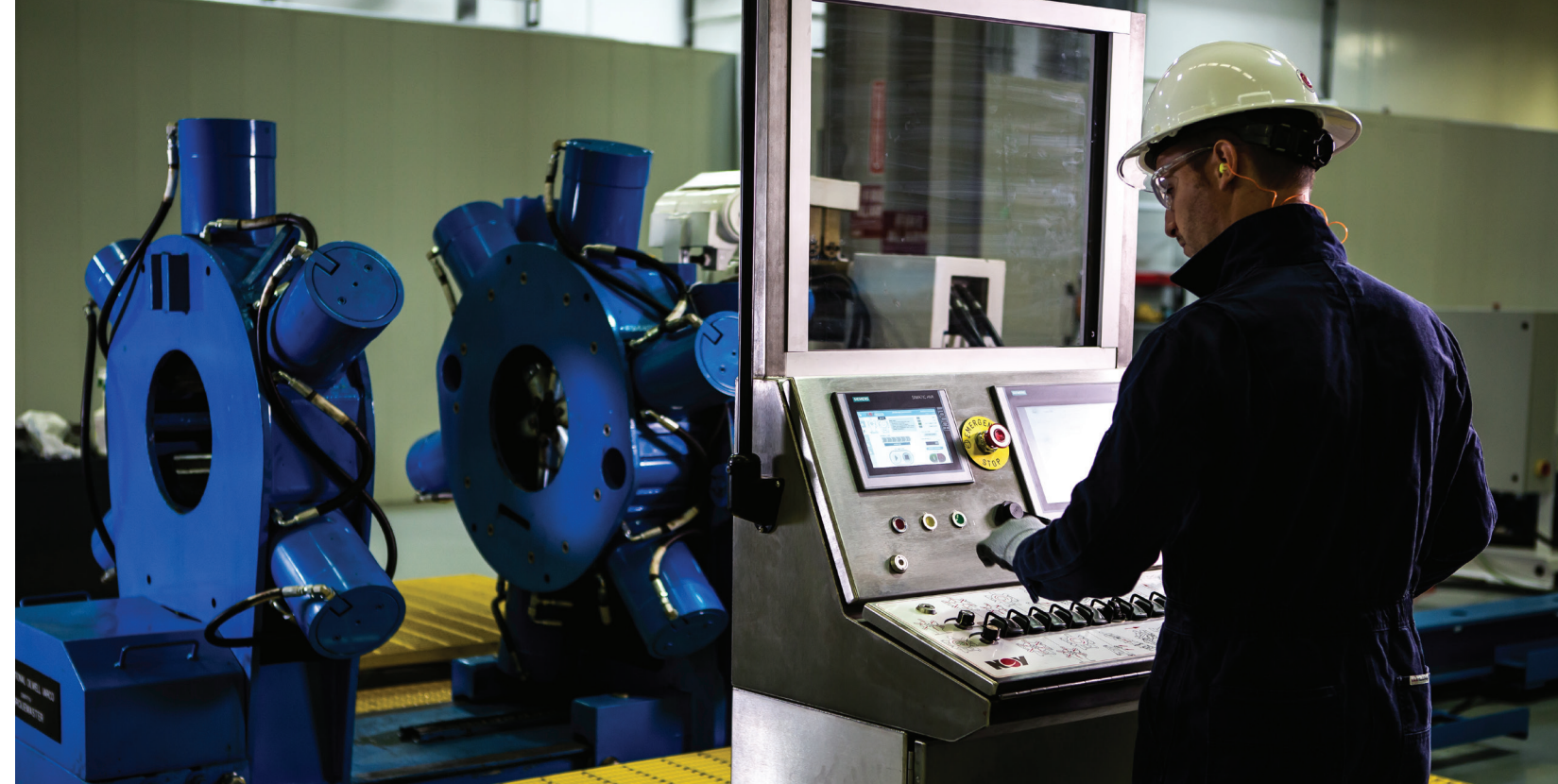
- Agitator CT Tools
- Agitator NEO CT Tools

### Remedial Tools

- Centralizers
- Wash Tools
- Jetting Nozzles
- Knuckle Joints
- Deployment Tools
- TerraMax Milling BHA

### Running and Pulling Tools

- Logging Tools
- FluidHammer
- Cement Valves
- Coiled Tubing Casing Scrapers
- Shifting Tools



## Service Equipment

We trust our service equipment — we even use it to service our own tools. When you use our equipment, you can trust that your tools and downhole operations are in good hands. When it comes to making connections and testing your tools, our world-class certified technicians can provide the solutions and support you need to keep your operation running as safely and efficiently as possible.

### Global Field Service

- Refurbishments and Rebuilds
- Maintenance

### Downhole Tool Testing Equipment

- Motor Test Stands
- Jar Testers

### TorqueMaster™ Make-up Break-Out Units

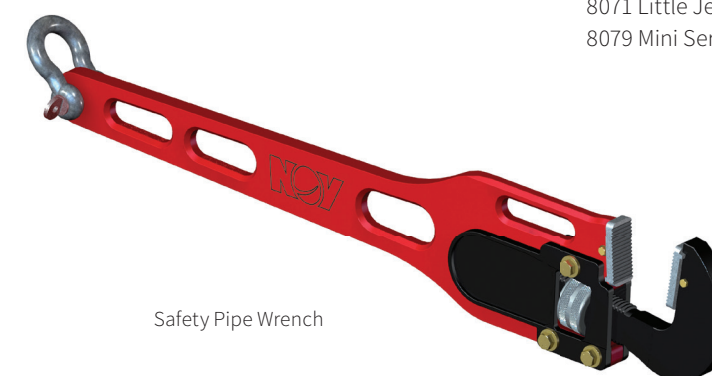
- Ratchet Style Units
- Continuous Rotation Units
- Open and Hinged Headstock Units
- Offshore Units
- 1387 Mini-Torque II Make/Break Unit
- 8071 Little Jerk™ II Mini Tong
- 8079 Mini Service Center

### TorqueMaster Upgrades and Accessories

- 8090 LogMaster II Torque Logger Unit
- LogMaster II Continuous Rotation System
- TorqueGuard and TorqueGuard Plus
- Flex™ Series TorqueMaster Upgrade
- TrueBite™ Low Torque System
- Workshop Accessories
- Safety Pipe Wrench
- Stator and Rotor Measurement Tools
- Workshop Vises

### Mobile Solutions

### Custom Projects



Safety Pipe Wrench



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