

NEWSCO

Research and Development

Research & Development

Dedication to developing and improving down-hole tools

“Newsco has a resourceful and talented research and development team that creates innovative solutions to MWD processes.

We never rest in our drive for improved performance and dependability.”

Our Challenge

Conventional MWD tools are often inefficient, unreliable, difficult to repair and costly to operate.

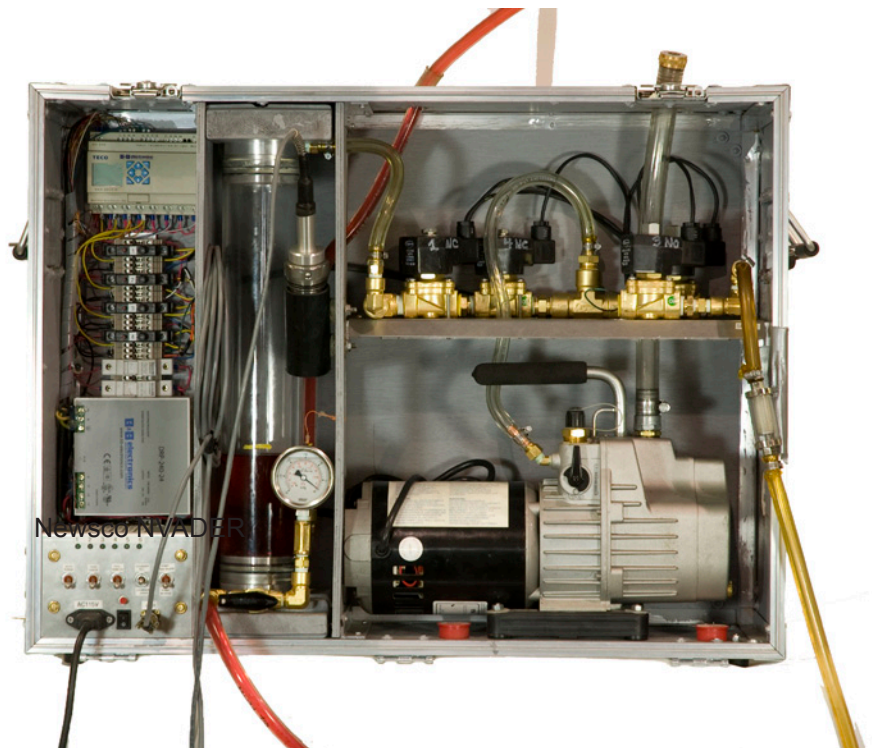
Our Solution

When faced with the problems associated with conventional MWD tools, our innovative R & D staff went to work to develop new tools and radically improve existing technologies.

The industry continues to drill deeper wells in harsher temperature and vibration environments, and Newsco

has led the way in developing and improving tools to deal with these more demanding conditions. Our proactive approach means that we take each failure seriously, carefully analyze the cause, and re-engineer parts to higher tolerances to increase strength and reliability.

The result has been tools with improved performance and reliability, which has improved MTBF, reduced rig down time and improved our clients' bottom line.



Automated Purge System

Our tools are rugged and reliable and have proven themselves in some of the harshest environments on the planet: the Peruvian jungle, British Columbia, Saskatchewan, upper and lower USA, and off shore.

A short list of R & D achievements

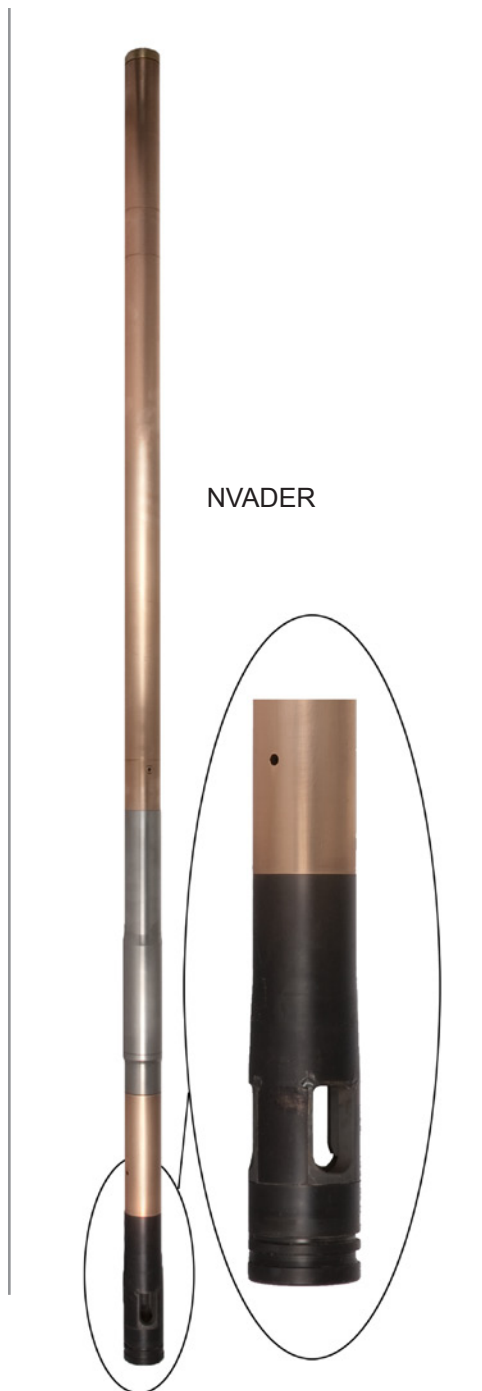
- **1997: Solid-state proximity flow switch**
- **1998: Revolutionary flow switch**
- **1999: Field-repairable vibration dampener**
- **2000: Stepper motor operated driver**

Our answer to power-hungry pulser solenoids. This unit increased battery life of the pulse assembly from 125 hours to 700 hours--a cost savings increase of 500%.

- **2003: Wireless Remote Terminal**
- **2005: Drillwell wireless display and logger**
- **2005: Rotary direct-drive pulser (NVADER)**

High flow rates with high-percentage LCM. The NVADER's powerful bottom end is not prone to clogging and does not require pipe screens. If you can pump it, we can pulse it.

- **2007: Remote monitoring and WITS capability**
- **2009: 175°C operating temperature capability**
- **2009: Integrated EM and mud pulse**
- **2010: Resistivity integration with APS WPR**
- **2010: Gyro while drilling integration with Gyrodata**



NVADER



Test Box

NEWSCO

The Leader in Innovative Drilling Solutions

7000 Railway Street SE
Calgary, AB

Canada T2H 3A8

Office: 403.243.2331

Fax: 403.243.2563

E-mail: sales@newsco.ca

www.newsco.ca