



DRILLCO

Modular Drilling Systems

TECHNOLOGY
EFFICIENCY
CLEAN-TECH



Connect live to Your Fleet - with the latest Technology



Owners

Significantly increase management efficiency with Real-time connectivity.

Having access to data remotely allows you to manage multiple jobs from a distance, improving productivity.

The data collected is key to knowing how well your site is performing, providing valuable information to increase cost savings and, maximize on-the-job efficiency.

Real-time connectivity is an asset with the shortage of qualified labor, high cost in today's industry.

Connect to the PCL on your control panel, monitor/train recruits during the shift.

Drillers and Supervisors

Can monitor productivity live or intermittently while working with remote crews, troubleshoot down the hole problems.

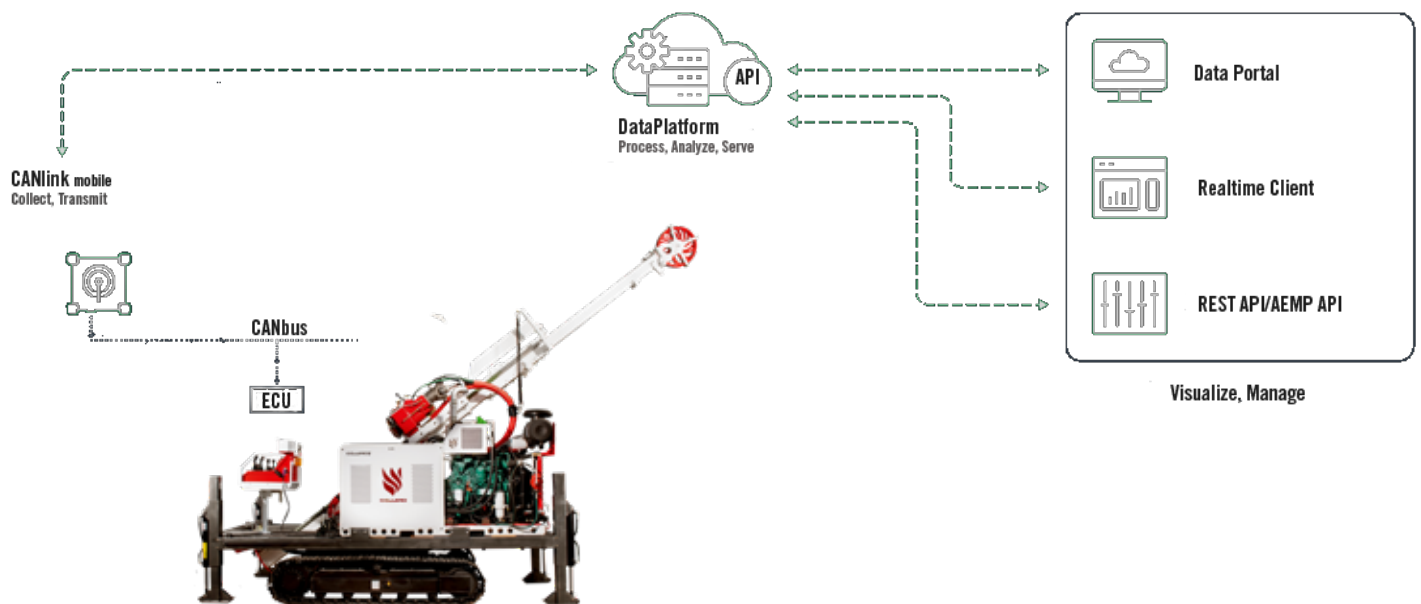
Control parameters used at the drill.

See what top drillers are doing during their shift and use the data to help less productive drillers to maximize shift production.

With Real-time connectivity, there is transparency from the driller to the client.

Simple and easy installation at a lower cost

1. Connect to the PCL on your control panel
2. Add sensors
3. Tie into available communication system or simply download to external thumb drive



Clean-Tech Modular Drilling Systems

Technology

- Ultimate simplicity and efficiency

Drillco's platform was built and designed from the ground up, using the latest technology, unlike others who add technology over old systems:

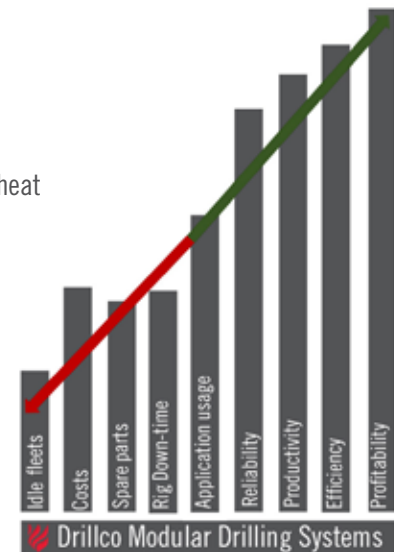
- Electric proportional valves controlled by PLC
- Computerized valves that are close to a servo valve for the ultimate control, repeatability and accuracy (I.E. thread making and breaking)
- All parameters are controlled with the touch screen and are password locked
- Safety system controlled from the choice of programs and parameters already built in the system, no need for additional external systems.
- Add data logging at a lower cost by using our controller and by using a minimal amount of sensors
- Technology = One system for all applications



Efficiency

- Maximize your investment

- 75% less connections and hoses than conventional systems results in less friction, less heat and increased net HP
- 30% Increase in efficiency and net power where it matters at the rotation motor
- 5000 psi to the feed cylinder IN DRILLING MODE for >40% increase in drilling range
- The same compact system for short shallow holes & UP to > 3000m holes
- Change motor group (DIESEL AND ELECTRIC) for different applications in less than 2 hours with our modular hydraulic system for maximum usage of system
- Interchangeable feed cylinders so they can be used in multiple configurations and applications.
- One operator control panel system for all applications



Clean Tech

- Environment

- Use > 30% less fuel and electricity than conventional systems
- 75% hose and connections for reduced possibilities of oil leakage and spills
- Small 90 litre oil tank with sensors for a maximum oil leakage of 40 litre



Clean-Tech Modular Drilling Systems

Clean-Tech Modular Drilling Systems

Superior quality, adaptability, flexibility, and operational range

Components	Surface Drilling System	Underground Drilling System
Chassi standard design		X
Control Panel fully automated hydraulic console		X
Power pack		X
Diesel Engine power range up to 360hp	X	
Electrical power unit Up to or >250 hp		X
Mast	X	X
Configuration Kits		
Once you have a Modular Drilling System, it can be converted into other drilling applications by adding a configuration kit		
Surface configuration kit		X
Underground configuration kit	X	

Common components are easily converted from surface to underground with kits and the option of switching motor groups and master cylinders for specific drilling requirements.

Clean-Tech Modular Drilling Systems

Modular Drill Mast System

- Our modular mast assemblies are fabricated with interchangeable feed cylinders so they can be used in multiple configurations and applications.

Underground System

- Universal common drill base
- Fully hydraulic turn table and dump system
- Modular mast/boom system >2500m

Surface System

- Light weight fly drill base

Hydraulic Turn-table

- Hydraulic turntable that can be used for both underground and surface applications – including fly-ins – with slewing-ring for increased drilling range in X, Y, and Z axis.
- Lightweight operator control station for easy moves.

Power Pack

Industry's largest diesel power ranges

- Diesel Configuration (Choice of Volvo, Cummins, Mercedes, John Deer – 75 hp to 360hp)

Unmatched electrical power range

- Electric Configuration for underground Application (Choice of 100 hp to greater than 200 hp amp motors)

Motor groups are installed

- By changing the engine platform - no other changes needed
- Electrical to Diesel motor group conversion or vice-versa in 2 hours.



Clean-Tech Modular Drilling Systems

Hydraulic System

One hydraulic system for all applications

- 25-30% savings in electrical power and diesel fuel consumption
- 70% less hydraulic oil (90 litre oil reservoir vs standard 400 Litres)
- 75% reduction in the number of hoses and connections reducing leaks and spills
- Magnetic filtration system
- Reduce hydraulic hoses to landfill during re-work
- Air cooled system to reduce water consumption



Control Panel

Operator control panel dashboard included:

- Easy user friendly settings
- New technology that feels like the controls of an older rig

Programmable logic controller (PLC)

- For data logging and training modules
- Light, versatile, yet robust and built for tough environments
- Password protected; pre-set drilling parameters for peak performance
- Owner lockout
- Data Logging

**We offer a selection of water pumps, mud mixer and heating systems.

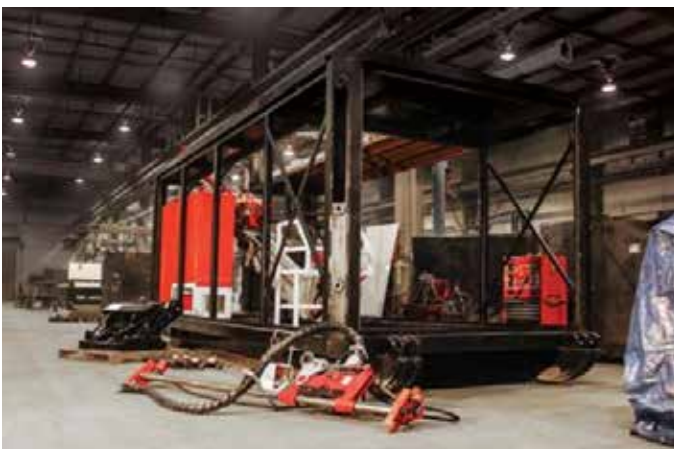


Clean-Tech Modular Drilling Systems

Multi-Purpose Drills (Coring/ RC)

Available drill platforms:

- Drill Shack
- Fly/underground platforms
- Truck/track mounted platforms with outriggers
- Crawler Truck



Clean-Tech Modular Drilling Systems

The Drillco Advantage

We are the premier builder of clean-tech diamond core drilling rigs and specialized drilling equipment.

We bring to our customers:

30 Years of Core Drilling Operations, Ownership and Equipment Design

25 Years of Specialized Hydraulic Engineering

Clean-Technology to promote environmental responsibility

We are an elite drill manufacturer supported by WAJAX Industrial Components, one of Canada's largest hydraulic specialists and suppliers. Our Clean-Tech Modular Systems are a full generation ahead of competing drilling systems, with the technology and design used for our clean-tech modular drilling systems.

We offer a Premium Drilling System with superior after market support.

- Qualified specialists with deep industry knowledge and expertise
- Install, commission and start-up
- Operator training
- Mechanic training - same hydraulic system and control panel on all systems
- Custom services

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Clean-Tech Modular Drilling Systems





We strive to provide value with our well-designed, high quality clean-tech solutions.

www.DrillcoMining.ca



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