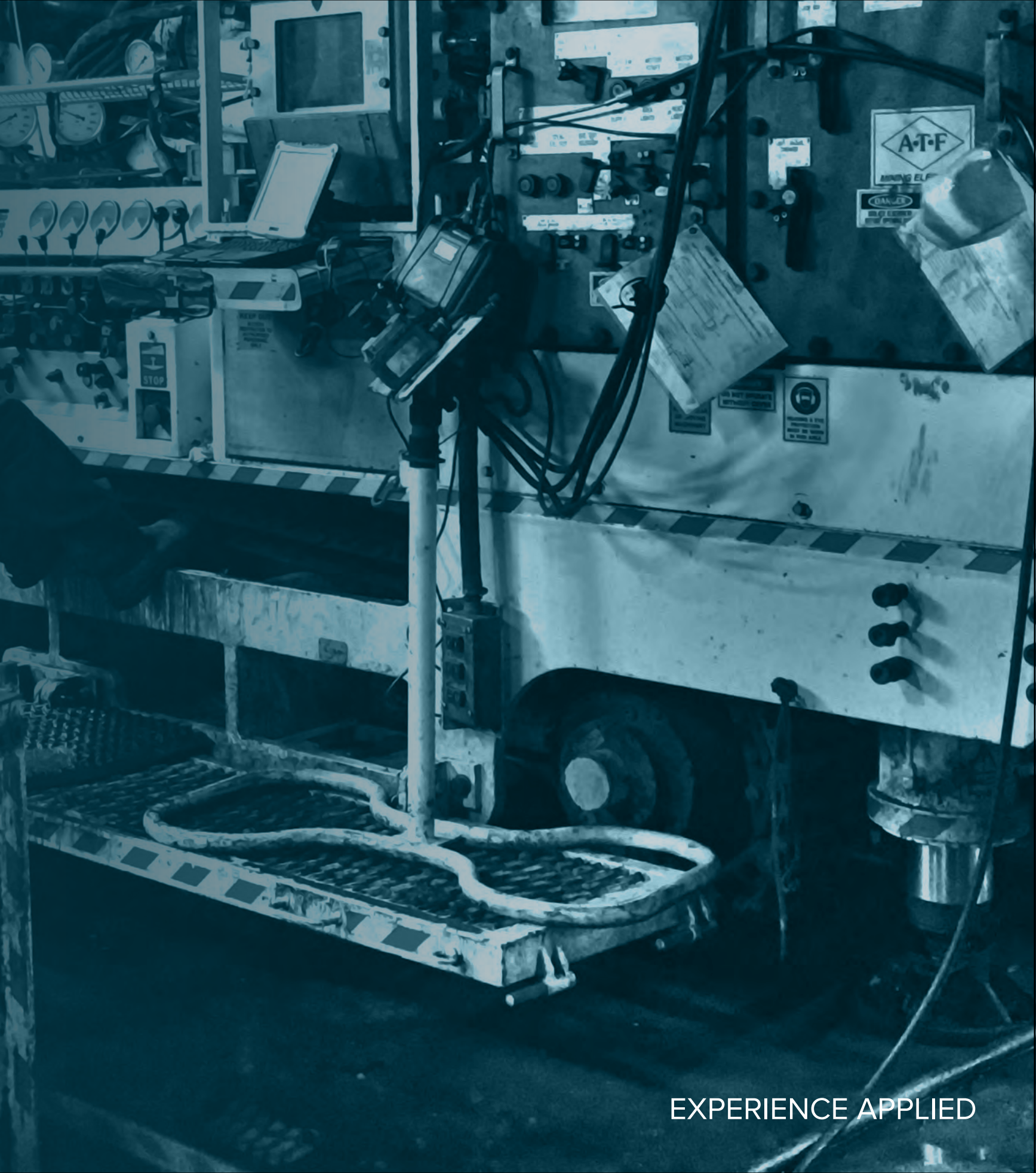


REI | DRILLING

DIRECTIONAL SOLUTIONS

dpi

DRILLING PRODUCTS



EXPERIENCE APPLIED

INNOVATIVE DRILLING SOLUTIONS FOR MINING AND OTHER INDUSTRIES

With regular fluctuations in energy and commodities, operators are always in need of intelligent and efficient methods to maintain production while lowering costs. REI's response is to innovate, and work at the cutting edge of technology, continuously expanding its capabilities. By designing its own tools and products, REI offers engineered cost-effective drilling solutions that work against the tide of market swings.

REI, through a combined effort by its services and products teams, recently expanded its capabilities to include extended reach directional drilling from underground and surface. Included is the development of high thrust extended reach drills, and extended reach directional drilling tools to achieve depth capabilities of 8,000 ft (2,500 m) on a small footprint to offer cost-effective extended reach solutions.

Through the expansion of its capabilities, REI has broadened its range of drilling applications and provides directional drilling solutions to other sectors such as the environmental, civil, water, and energy industries. Environmental applications include those for mine abandonment (void filling, water level management, mitigation of abandoned mine water discharge), and fugitive greenhouse gas emissions mitigation. Civil applications include pre-development reinforcement, foundation stabilization, pore pressure reduction, and utility installations. Water applications include water supply lateral wells, managed aquifer recharge, and culinary water transfer.

MORE THAN 35 YEARS OF APPLIED EXPERIENCE

Established more than 35 years ago, REI Drilling, Inc. provides directional drilling services to the mining industry primarily in the Americas. REI owns and operates a fleet of twelve directional and core drilling rigs. Our drills are custom-built for the underground mining environment, including permissible for use in coal, and extended reach and also function as surface drills. Our fleet is equipped with custom downhole directional drilling equipment including LWD and MWD steering tools developed by DPI enabling integration of logging and precision borehole survey information with mine mapping via computer aided design software.

REI works directly with mine operators to formulate Directional Drilling Solutions for geologic exploration, water drainage and transfer. This includes acid mine drainage, methane drainage, gravity oil drainage, depressurization, de-stressing, old works verification, utility and instrumentation installation, and solution mining.

Our clients recognize the engineered solutions that we provide. Our philosophy has always been to provide more than just drill hole. Each of our drilling projects is engineered from collar to total depth. Our results oriented engineering team of mining, geology, and drilling professionals consider geologic, geo-mechanical, stress, reservoir, torque and drag, and mining conditions to design and implement each project to achieve success.

We take on drilling challenges that others will not touch and provide customized drilling solutions.

FOR MINING

- COAL
- EVAPORITES
- INDUSTRIAL MINERALS
- HARD ROCK
- OIL
- UNDERGROUND / SURFACE

FOR INDUSTRY

- ENVIRONMENTAL
- CIVIL
- WATER
- ENERGY

APPLICATIONS

- GEOLOGIC EXPLORATION
- ACID MINE DRAINAGE
- MINE ABANDONMENT
- METHANE DRAINAGE
- WATER TRANSFER / DRAINAGE
- UTILITY INSTALLATION
- FOUNDATION STABILITY
- MANAGED AQUIFER RECHARGE
- STRUCTURAL REINFORCEMENT
- FUGITIVE GAS EMISSIONS MITIGATION
- SOLUTION MINING

PRODUCTS FOR DRILLERS DEVELOPED BY DRILLERS

DPI has developed unique and reliable directional drilling technology, including EDGE high torque downhole motors, advanced LWD and MWD technology with on-drill computer Directional Drilling Management System (DDMS), and drill string communications systems Rod Communication Systems (RCS). DPI was formed in 2008 to market our field proven technology world-wide.

DPI EDGE downhole motors are built with the utmost attention to detail on a continuous improvement basis. We build our motors to not only meet your needs, but to meet our own rigorous field standards. We offer a wide range of power sections allowing you to customize the motor to best fit your application and test our products at your specifications prior to deployment.

DDMS and RCS technology delivers drilling efficiency like never before. With real-time drilling data, portable data tools, and more, the DDMS boosts operator success and overall efficiency. Our computers are certified for underground use in every major market, including the Americas, Europe and Russia as well as China and Australia.

We bring real-world experience and the means to deliver equipment on-demand to anywhere in the world.

DRILLING TECHNOLOGY

DOWNHOLE MOTORS

DRILL BITS AND
HOLE OPENERS

DIRECTIONAL DRILLING
MANAGEMENT SYSTEM (DDMS)

ROD COMMUNICATION
SYSTEMS (RCS)

DIRECTIONAL DRILLING RODS
INCLUDING EXTENDED REACH

DIRECTIONAL AND
ROTARY DRILL RIGS

ALL ANCILLARY EQUIPMENT



TECHNOLOGY INNOVATION AND INTEGRATION

The IPG team develops custom monitoring, control, and automation solutions for global drilling and mining equipment manufacturers, construction and industrial equipment as well as process plants and special projects.

The IPG team provides full-service mechanical development, electrical hardware design, software and data process engineering, field testing, and post-integration support.

DEVELOPMENT SERVICES

XP-PC MINE COMPUTERS

SENSING SYSTEMS

DATA TRANSMISSION

WIRELESS TECHNOLOGIES

AUTOMATED DRILLING

AUTOMATED MINING

MANLESS SOLUTIONS

REI | DRILLING

DIRECTIONAL SOLUTIONS

dpi
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