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## **HBT to Showcase Next-Generation Longwall Mining Technology at US Coal Show 2025**

**Pittsburgh, PA — May 22, 2025** — HBT Americas LLC, part of the global HBT Group, is set to spotlight the future of longwall mining at the **US Coal Show 2025**, held June 3–5 at the David L. Lawrence Convention Center in Pittsburgh, Pennsylvania. Visitors are invited to **Booth #301** to experience cutting-edge automation, advanced roof support control, and innovative mining solutions that reflect HBT's commitment to smarter, safer, and stronger underground operations.

### **Smarter, Safer, Stronger Longwall Mining**

At the core of HBT's exhibition is its robust portfolio of **Longwall Mining Technology**, including the highly anticipated **Roof Support Control System PMC-R 2.0**. As a leap forward in longwall automation, PMC-R 2.0 enables **full autonomous control** of roof supports while integrating advanced safety features such as **Personnel Proximity Detection (PPD)** and a new **Integrated Lighting System** to enhance underground visibility and reduce operational risks.

Visitors will experience live demonstrations of:

- **PMC-R 2.0** – Advanced electro-hydraulic control for autonomous longwall operations
- **Real-time Data Visualization** – Powerful software for managing and analyzing mining systems
- **PPD Systems** – Enhanced safety through real-time personnel tracking
- **Integrated Lighting** – Visual alerts to improve operational safety during shield movement



## Featured Technologies at Booth #301

- HBT Conveyor Line Pan PFHD**  
 Designed for the toughest longwall applications, the PFHD delivers up to twice the lifespan of its predecessors (PF5, PF6), with a **heavy-duty profile, reduced height, and superior wear resistance**.
- Hauhinco EHP-5K 400S High-Pressure Pump**  
 A quintuplex plunger pump delivering up to **5200 psi** of pressure, built for durability and efficiency in demanding water hydraulic applications.
- Pempek Mining Control Systems**  
 A showcase of **smart control systems**, featuring **advanced telemetry, motor control, anti-collision technology**, and real-time diagnostics.
- HBT Coresave Hydraulic Fluid**  
 A **fire-resistant, biodegradable** water-based hydraulic fluid for longwall roof support systems, ensuring optimal safety and performance in sensitive underground environments.



## Complete Longwall Mining Solutions

HBT provides turnkey longwall systems that integrate **shearers, AFCs, BSLs, drive systems, roof support, automation, high-pressure hydraulics**, and more. With a single-source approach, HBT simplifies the supply chain and enhances system compatibility, safety, and efficiency.



## Rebuild Services & Lifecycle Support

**Optimized Performance. Extended Equipment Life. Maximum Efficiency.**

HBT Americas will highlight its comprehensive **Lifecycle Services** designed to support the full operational lifespan of your mining equipment—from rebuilds and retrofits to predictive maintenance and parts fulfillment.

Key services include:

- **Full Machine Rebuilds** – Comprehensive overhauls that restore equipment to peak operating condition
- **Cylinder, Gearbox, BSL & Sprocket Rebuilds** – OEM-compliant restorations with advanced coatings and wear-resistant upgrades for underground reliability
- **Pump & Valve Rebuilds** – Precision-engineered remanufacturing for enhanced efficiency and extended service life
- **Predictive Maintenance** – Advanced diagnostics and condition monitoring to prevent failures before they occur
- **Machine Retrofits & Upgrades** – Integration of the latest automation and control technologies for improved productivity and safety
- **Fast Parts Fulfillment** – Over 20,000 parts available for rapid delivery to minimize downtime
- **Global Service Network** – Local expertise with worldwide reach for responsive support
- **Continuous Improvement** – Data-driven insights and remote analytics to help optimize performance and reduce long-term costs
- **PMC-R Repair Service** – OEM-compliant diagnostics, part replacement, calibration, and upgrades with Standard or Enhanced packages; includes 6-month warranty on parts and labor. The Standard or Enhanced Repair Packages both feature a 6-month warranty on parts and labor.



With its **cutting-edge lifecycle solutions**, HBT ensures your equipment operates safely, efficiently, and reliably throughout its entire service life—boosting uptime and maximizing your return on investment.

## A Unified Global Force for Mining Innovation

The HBT Group brings together global technology leaders—**HBT, Hauhincó, Breuer Motoren, Advantec**, and **Pempek Systems**—to offer a full spectrum of integrated solutions for mining, tunneling, infrastructure, and industrial electrification. Whether you're upgrading existing systems or planning new operations, HBT is your partner in performance, safety, and innovation.

## Visit HBT at US Coal Show 2025

Booth #301

June 3–5, 2025

David L. Lawrence Convention Center, Pittsburgh, PA

Explore how our integrated technologies can boost your mine's performance.

**Smarter. Safer. Stronger. That's the HBT Advantage.**

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