Oil and Gas Infrastructure Solutions

For Offshore and Refinery Excellence



PANDUIT®

Infrastructure Solutions That Drive Tomorrow's Energy Leadership

The global energy landscape continues evolving rapidly, with oil and gas remaining essential to meeting worldwide demand while adapting to new operational realities. Today's energy producers are leveraging digital capabilities and innovation to deliver high-margin, lower-carbon solutions, facing unprecedented challenges that demand smarter infrastructure partnerships.

Energy companies are navigating complex digital transformation initiatives, integrating emerging technologies such as digital process automation, Internet of Things (IoT), artificial intelligence (AI), and big data analytics while maintaining operational excellence in increasingly remote and challenging environments. Success requires partners who understand both traditional reliability demands and cutting-edge connectivity requirements.

Panduit serves as a critical enabler in the modern energy ecosystem. As a global innovator of solutions for connecting, grounding, securing, protecting, identification, labeling, and comprehensive communication systems, our infrastructure solutions minimize downtime, accelerate digital transformation, and enable the smart, connected operations that define industry leadership.



Solutions for the Digital Oil Field

Tomorrow's energy infrastructure increasingly relies on seamless connectivity and data integration. Operators seek to implement scalable digital solutions to routine problems, modernize aging assets, and extend their lifecycle while building future-ready facilities for a lower-carbon market.

Whether supporting remote operations in challenging deepwater environments, Arctic conditions, or unconventional resource sites, Panduit's solutions enable the robust, high-performance networks essential for IoT deployments, real-time monitoring, and automated operations. Enhanced connectivity leads to improved demand management, material tracking, and logistics operations, allowing proactive management of materials and equipment in hazardous and hard-to-monitor exploration sites.

Our extensively tested products deliver proven performance against extreme temperatures, vibration, corrosive environments, salt spray, and severe weather conditions. They meet and exceed global regulatory standards while supporting the 24x7 network availability that modern digital operations demand. IoT connectivity and big data analytics help oil and gas providers improve their productivity through more efficient drilling management, maintenance, and field optimization.



Safety-First Infrastructure for Smart Operations

As operations become more digitally sophisticated and production demands intensify, infrastructure reliability directly impacts both safety outcomes and operational performance. With an aging workforce and gradual decline in available replacements, companies increasingly depend on intelligent systems and remote monitoring capabilities to maintain safety standards.

Panduit continues advancing product innovations that enhance safety, reliability, and performance in digitally enabled environments. Our solutions frequently exceed standards set by OSHA and international regulatory bodies, while enabling the connectivity infrastructure essential for predictive maintenance, automated safety systems, and remote operational oversight.

Our products support comprehensive digital safety ecosystems, reducing safety incidents through better data visibility, faster emergency response capabilities, and enhanced equipment monitoring – all while ensuring robust performance in the world's most demanding energy environments.

Partnership for the Connected Energy Future

The energy industry's digital transformation requires infrastructure partnaers who understand both legacy system integration and emerging technology demands. Panduit delivers the connectivity foundation that enables AI-driven operations, IoT-based monitoring, and the data-rich insights that drive competitive advantage in today's energy market.

From enabling smart drilling operations to supporting comprehensive facility digitization, our solutions help energy companies realize the full potential of their digital investments while maintaining the operational reliability that defines industry success.



Accelerated Installation Through Smart Design

Time compression directly impacts project economics in today's capital-intensive energy projects where digital planning tools and predictive scheduling drive competitive advantage. Panduit patented installation technologies leverage smart design principles that reduce complexity, minimize steps, and integrate with digital work instruction systems. In weather-constrained offshore environments or remote locations where every installation hour impacts project economics, our solutions consistently deliver faster deployment times using our integrated system solutions that include digital configuration platforms, installation guides, and predictive maintenance integration.



Intelligent Supply Chain for Global Energy Operations

Today's energy infrastructure projects require supply chain partners who integrate digital inventory management, predictive logistics, and real-time visibility across global operations. Panduit digitally enabled global network combines local distribution expertise with centralized inventory intelligence, delivering just-in-time availability through advanced demand forecasting and automated replenishment systems, while our regional warehouses leverage IoT-enabled inventory tracking and predictive analytics to anticipate project needs before they become critical path issues.



Connected Global Support

Our local professionals provide advanced collaboration tools, virtual technical support, and real-time project integration capabilities---combining deep understanding of regional codes, standards, and cultural requirements with global manufacturing scale and digital supply chain visibility. Through cloud-based collaboration platforms and shared engineering resources, we deliver solutions that meet both local compliance requirements and global project efficiency standards, ensuring manufacturers receive consistent global support while maintaining the responsiveness and technical expertise that complex energy projects demand.

Core Products for Reliable Performance

Self-Locking Stainless Steel Cable Ties

The Super Heavy Cross Section Self-Locking Stainless Steel Cable Ties are a lightweight, flexible alternative to cable cleats for fastening cables to cable tray. The self-locking design speeds installation because no tray modification is required. Total installation costs can be as much as 25% less vs. traditional cleats. The smooth, rounded edge of Cable Ties is considerably safer for installers to handle and protects against abrasion of the cable jacket/insulation.



Cable Cleats

Cable Cleat solutions ensure cables remain contained in the event of a short circuit fault to minimize disruption and damage to personnel and property. Uniquely engineered for ease of installation and available in a range of applications and harsh environments, our cable cleats meet the needs of any project while providing on-the-job productivity, reliability, and safety.



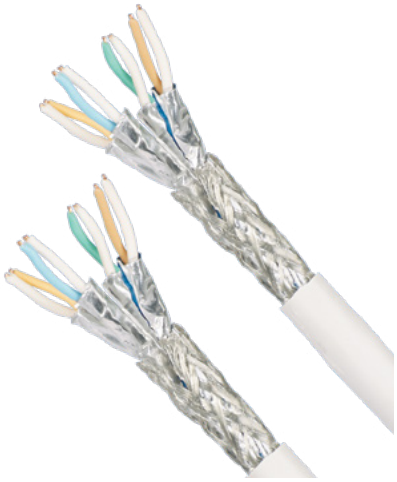
Power Connectors

Discover compression and mechanical lugs alongside essential tools, all part of our comprehensive lineup of wiring and communication solutions.



Marine Copper Cable

TX7000™ marine rated shielded copper cable meets the high bandwidth needs of modern Ethernet communications. A highly durable, flame- and oil-resistant jacket provides protection for harsh on-ship and off-shore applications, meeting stringent DNV and ABS standards. The shielding also offers superior performance in high EMI environments.



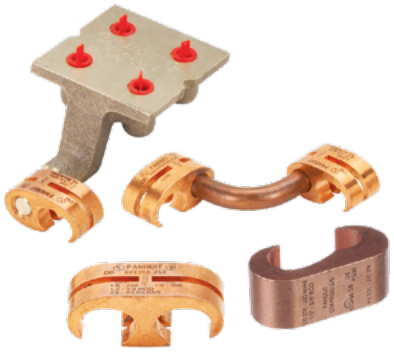
Tools

Our line of battery-powered, control cycled, and manual installation tools, crimpers, cutters, & strippers lead the industry in safety and reliability. A wide variety of accessories enhances the Panduit wire termination suite of products.



Direct Burial Compression Grounding System

The unique design offers an alternative to exothermic grounding systems, meeting the higher survivability benchmarks of IEEE 837™-2024 standard. Because there is no open flame involved in the installation process, installations can continue in any weather conditions and open-burn permits are not required. Bonds can be visually inspected on the spot. Field tests show installation speeds are up to 4 times faster than exothermic equivalents. Meets the higher survivability benchmarks of IEEE 837™-2024 standard.



Permanent Identification Solutions

Identification solutions are used with pipes, conduit, cables, and related equipment. Available in many colors and configurations, these fire-resistant systems are manufactured for long-term use in the harsh environments found in oil and gas operations. Known for outstanding durability and legibility, Panduit identification solutions can be embossed, etched, or engraved prior to delivery.



Safety Solutions

Industry-leading safety offering of lockout/tagout devices, facility signage, and labeling systems serve as the cornerstone of safety programs for the control and identification of all types of hazardous energy systems. These can include electrical, chemical, pneumatic, mechanical, kinetic, and hydraulic applications. Panduit safety solutions are compliant with OSHA, ANSI, and NFPA requirements.



IndustrialNet™ Ethernet Enclosures, Racks, and Accessories

Enclosures are critical components of today's network zone architectures, providing IT and control personnel a reliable convergence point for making network drops to control panels and field devices. Panduit enclosures, racks and assemblies are NEMA 4 rated, pre-engineered solutions for reliable performance in highly demanding operating conditions.

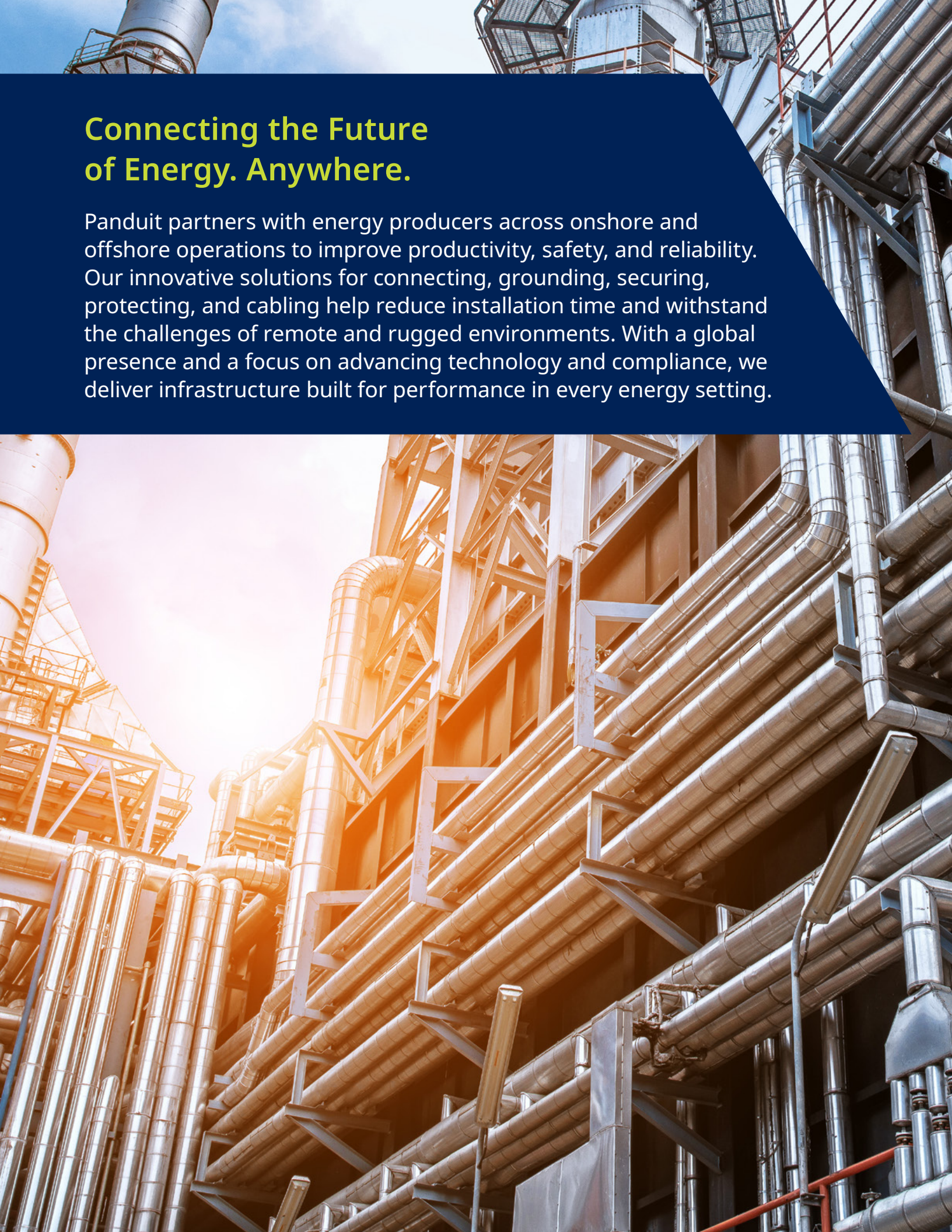


Micro Data Center

Micro Data Center is an ideal fit for all your communication and monitoring equipment. A Micro Data Center houses the servers, switches, patch panels, cabling, and other critical components needed to manage a process control application. The small footprint makes it easy to locate for quick access.



Global Approvals and Certifications

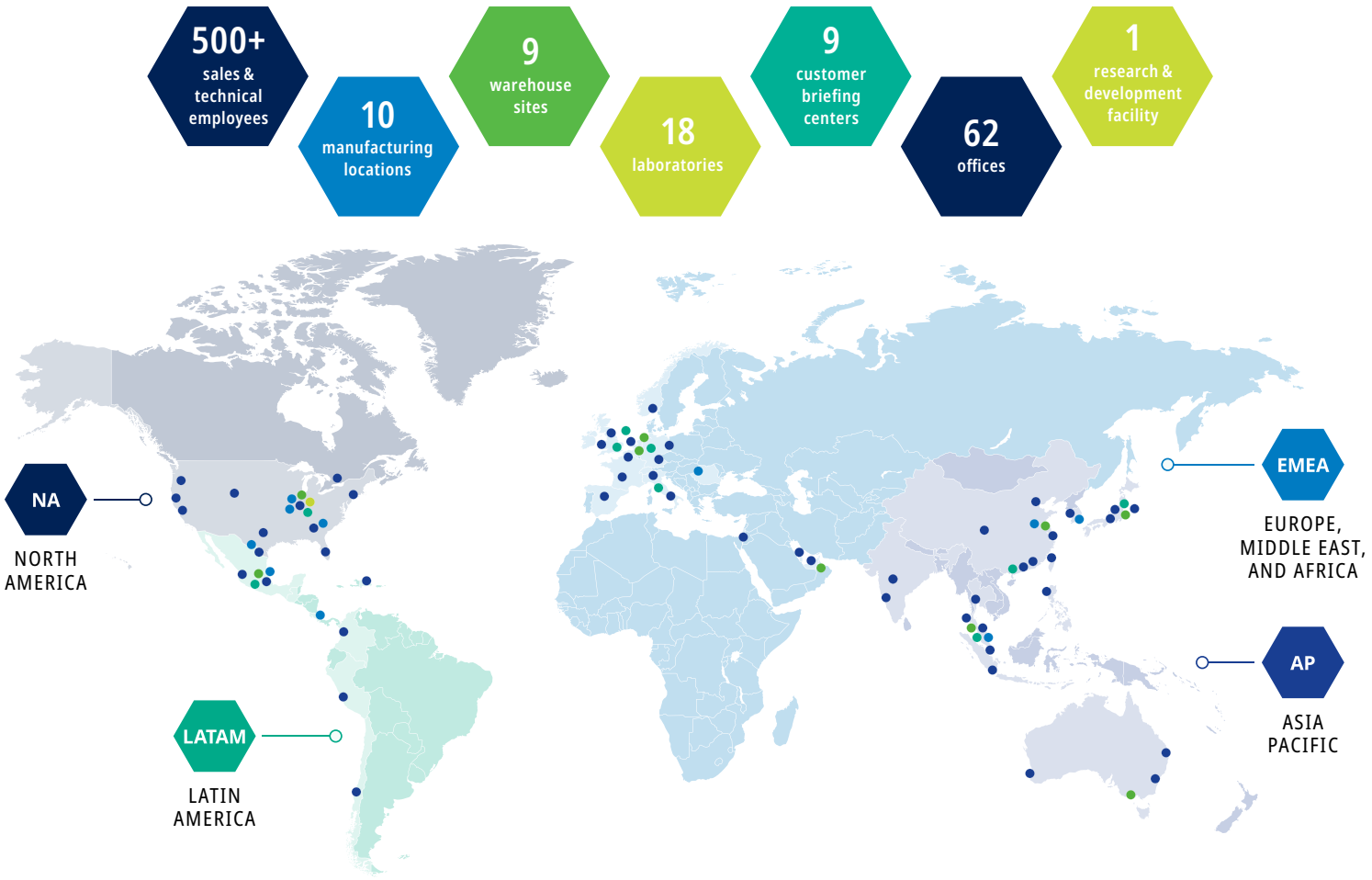


Connecting the Future of Energy. Anywhere.

Panduit partners with energy producers across onshore and offshore operations to improve productivity, safety, and reliability. Our innovative solutions for connecting, grounding, securing, protecting, and cabling help reduce installation time and withstand the challenges of remote and rugged environments. With a global presence and a focus on advancing technology and compliance, we deliver infrastructure built for performance in every energy setting.

World Class Global Manufacturing and Distribution Ecosystem

The Panduit global support structure for manufacturing, warehousing, sales, technical, and customer service enables real-time responses within each region.



A World of Connections

When it's your vision to connect technology, systems, and people on a global scale, you don't go it alone. That's why we built a support team that is committed to earning your trust and providing a superior customer experience the world over, and a partner ecosystem that spans the project lifecycle, from planning and design to delivery, deployment, maintenance, and operation.

Partner Smarter

Our global network of distributors provides local inventory, product support, and logistics services so our customers can expect to receive exactly what they need when they need it.

PANDUIT® ONE | PARTNER PROGRAM

Our Panduit One partners include highly skilled installers, contractors, and system integrators who are trained and certified to design, develop, and deploy high-performance electrical and network infrastructures.

We have the knowledge and experience to help you make the most of your infrastructure investment.

panduit.com

Connect with an Expert:
panduit.com/oil-and-gas

PANDUIT®
infrastructure for a connected world

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