

# Power Generation Solutions



# Staying On Line

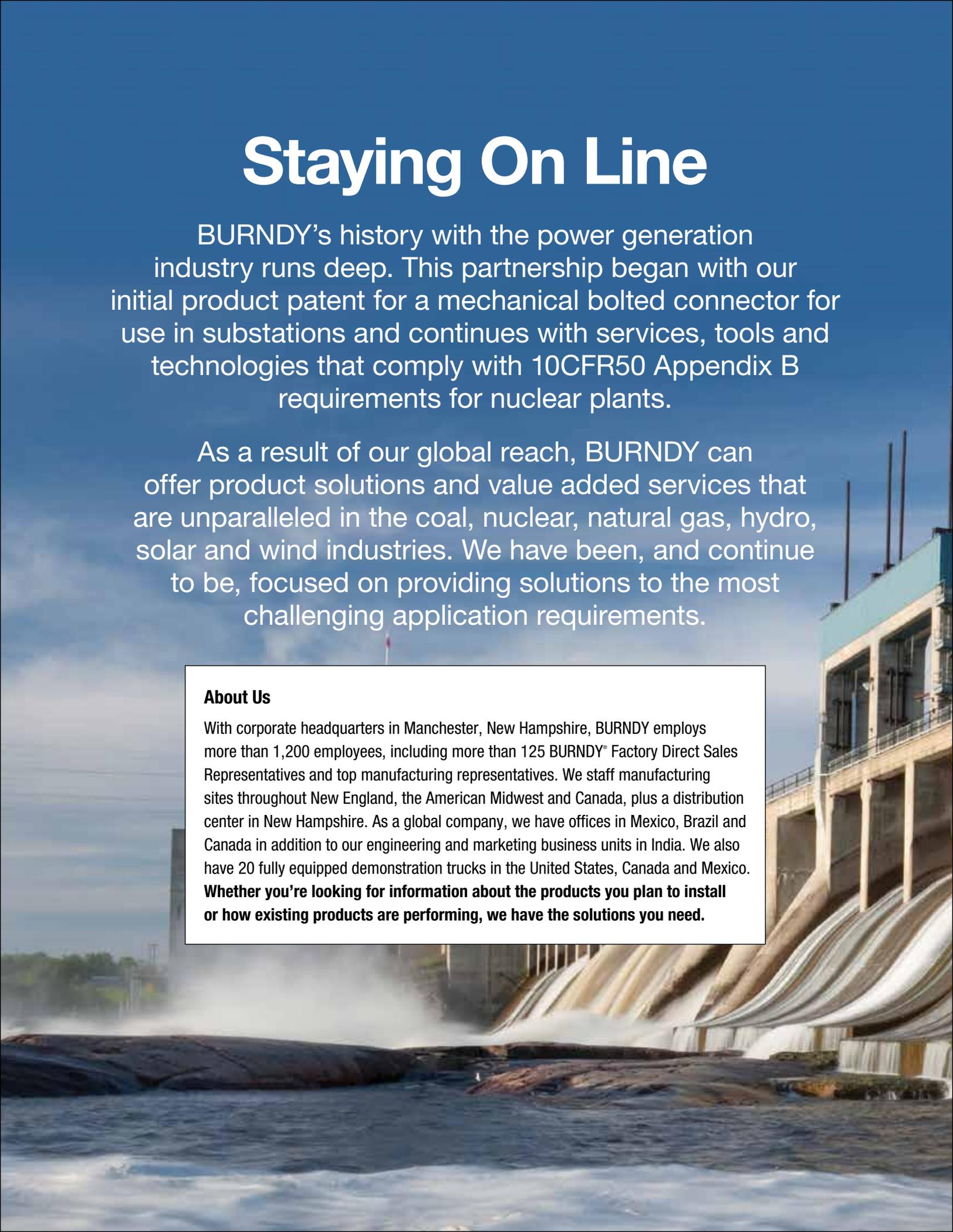
BURNDY's history with the power generation industry runs deep. This partnership began with our initial product patent for a mechanical bolted connector for use in substations and continues with services, tools and technologies that comply with 10CFR50 Appendix B requirements for nuclear plants.

As a result of our global reach, BURNDY can offer product solutions and value added services that are unparalleled in the coal, nuclear, natural gas, hydro, solar and wind industries. We have been, and continue to be, focused on providing solutions to the most challenging application requirements.

## About Us

With corporate headquarters in Manchester, New Hampshire, BURNDY employs more than 1,200 employees, including more than 125 BURNDY® Factory Direct Sales Representatives and top manufacturing representatives. We staff manufacturing sites throughout New England, the American Midwest and Canada, plus a distribution center in New Hampshire. As a global company, we have offices in Mexico, Brazil and Canada in addition to our engineering and marketing business units in India. We also have 20 fully equipped demonstration trucks in the United States, Canada and Mexico.

**Whether you're looking for information about the products you plan to install or how existing products are performing, we have the solutions you need.**





## Products for the Power Generation Market

Product Grouping	Grass Roots Plant	Project Job	MRO	Substation
Medium and large HYDENT™ connectors	•	•	•	
Mechanical grounding	•	•	•	•
HYGROUND® Compression Grounding	•			•
BURNDYWeld® Exothermic Grounding	•			•
Small HYDENT™ connectors	•	•	•	•
Tooling	•	•	•	
DURIUM™ hardware	•	•	•	•
Heat shrink	•	•	•	
Flexible braid	•	•		•
Mechanical connectors	•	•	•	
PENETROX™ oxide inhibitor	•	•	•	•
Substation connectors	•			•
UNIRAP™ cable ties	•	•	•	
UNITAP™ insulated multi-tap	•	•	•	

### Installation Tooling

BURNDY® tooling delivers a closed-loop, quality system. Our crimping tools and gauges are key components in creating a conforming electrical connection while still providing users with an ergonomic and reliable design along with safe crimping and cutting capabilities.



#### **BURNDY® PATRIOT® PAT750-LI**

Our signature tool, the PAT750 features a crimp head that rotates 355° and provides 12 tons of force to crimp tension sleeves, taps, terminals, splices and HYGROUND® connectors.

### BURNDYWeld® Exothermic Grounding

The BURNDYWeld® connection process is a simple, efficient method of welding copper to copper or copper to steel. Combined with the EZ Lite Remote® Electric Ignition System, this industry heavyweight virtually guarantees ignition 100% of the time.



## HYGROUND® Compression Grounding

HYGROUND® meets the most stringent safety and performance requirements, including OSHA, UL97, UL467 and IEEE 837, and is approved for direct burial. Unlike exothermic methods, HYGROUND® installations do not require a hot work permit.

All HYGROUND® connectors can be installed in any type of weather in less than three minutes. The HYGROUND® system is known for its top quality and long-term performance.



## Compression Terminals

BURNDY offers a wide range of one- and two-hole aluminum and copper narrow tongue terminals. Narrow tongue terminals are designed to be installed in applications with specific size constraints.

To ensure easy installation and inspection, each connector is clearly marked with the wire size and type, die index, color coding as well as the proper number and location of crimps.



## HYLUG™ Compression Terminals

BURNDY® HYLUG™ terminals are uniquely designed to accommodate a wide range of conductor configurations (aluminum, copper — AWG, flex, metric) for utmost application flexibility.

### *BURNDY® BREAK-AWAY HYLUG™ Terminal*

The revolutionary BURNDY® BREAK-AWAY HYLUG™ line of copper and aluminum compression terminals makes it easy to convert a terminal from two holes to one in the field. The BREAK-AWAY HYLUG™ is designed with a slotted second stud that provides flexibility for the terminal to conform to various bus bar dimensions. A groove identifies the break-away line for ease of snapping off slotted end. And the narrow tongue design allows for the terminal to fit into tight spaces.



## HYDENT™ Terminals

BURNDY® HYDENT™ terminals and splices are as varied as the projects you need them for. You can choose from copper and aluminum compression terminals—plus splices for terminating conductors— from #8 AWG through 2000 kcmil.





**Coal, Nuclear, Natural Gas,  
Hydro, Solar or Wind**—BURNDY is  
your quality, engineered-connection  
solution company.

BURNDY's proprietary radiation-resistant insulated terminals and splices are designed specifically for the nuclear industry and are manufactured to the same high quality standards as our nylon or vinyl products. Our connectors provide state-of-the-art control wiring options in a plant environment.



### **Grounding Solutions Developed for the Nuclear Industry**

Originally developed to meet inspectors' requirements for the nuclear industry, the BURNDY® HYGROUND® irreversible compression grounding system is a safe, cost-effective and efficient method that delivers performance excellence and long-term life expectancy. Employing well-proven design principles and technologies, HYGROUND® connections can be visually inspected, ensuring the correct combination of connector, installation die and tooling was used during installation.

In addition, we know each of your projects is unique—not every job requires the same tools. **The Grounding Superstore™ is home to three versatile grounding systems: mechanical, compression and exothermic.** No matter the option you choose, you'll know you're getting quality products that meet and exceed standard performance guidelines.

## Trust the BURNDY® Engineered System

The BURNDY® Engineered System of coordinating dies, connectors and tools are designed to work together and engineered to meet stringent, accepted quality standards.



[www.burndy.com](http://www.burndy.com) | 1-800-346-4175

### Customer Service Department

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1-603-647-5299 (International)

### Canada

1-800-361-6975 (Quebec)  
1-800-387-6487 (All other provinces)

### Mexico

011-52-722-265-4400

### Brazil

011-55-11-5515-7225

### Tool Service Center

Littleton Industrial Park  
Littleton, NH 03561  
1-800-426-8720



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