



## Utilities and Energy Capability Statement

### Essential for Power and Energy Operations:

VarTech Systems' industrial computers, monitors, and workstations are integral to power generation and transmission operations where safety and reliability are essential; our solutions help facilitate data acquisition, analysis, and control for your operations.

### Safety-Centric Design:

Every VarTech Systems enclosure is protected with rugged 316 stainless-steel or powder-coated aluminum for increased durability. Workstations and select sizes of HMIs are available with purge control systems for safe operation in hazardous areas.

### Durable in Harsh Conditions:

Our products are built to withstand saltwater, corrosion, and heavy impacts. Upgrade packages for extreme temperatures, shock and vibration, electromagnetic interference, and other environmental concerns are available upon request.

### Bespoke Solutions:

Customization is key at VarTech Systems and our products can be tailored to meet your specific application's needs to ensure compatibility with existing operating systems and instruments.

### Proven Reliability:

VarTech Systems provides safety and dependability in the most challenging environments with revision-controlled products and product support lifetimes of 15+ years.

### Use Cases:



#### Power Generation Plants

- E.g., Plant Information Management Systems (PIMS)
- Extreme shock and vibration protection
  - EMI protection



#### Central Control Stations

- E.g., Process Automation Systems (PAS)
- Match mechanical designs of existing HMIs for drop-in replacements.
  - RAID arrays for data security



#### Transmission Substations

- E.g., Energy Management Systems (EMS)
- Extreme temperature package: -40°C to 70°C
  - 4G-LTE mobile Internet connection



#### Distribution Substations

- E.g., Switchgear Control Panels
- Fully sealed IP66 and IP67 solutions
  - Protective door options to protect displays



#### Underground Substations

- E.g., Supervisory Control and Data Acquisition Systems (SCADA)
- High-voltage DC input
  - LCD heater for extreme cold down to -40°C

### The VarTech Standard:

- Best-in-class engineered solutions: Tailored to any application
- Built-to-spec customization: Countless features and packages
- End-to-end project support with a dedicated Project Manager
- Industrial-strength protection
- Made in the USA: Engineered, fabricated, and assembled in NC
- Order size flexibility: No minimum quantity
- Robust product portfolio
- Short lead times: Vertical integration allows 4-6 week lead times
- Unrivaled durability: Only the highest quality components

### Key Products:



**DiamondVue:** Panel mount monitors and computers.



**All-Weather:** IP67/IP68 weatherproof protection.



**ToughStation Ergonomic Workstation:** Fully sealed.



**ToughCube:** IP67 small form factor computer for 24/7 ops.



**ToughStation Purge-Protected PCs and Monitors:** Built safe.



**Bolt (Ai):** Powerful edge computer for extreme temperatures.

### Trusted by:



### Product Differentiators:

- C1D1, C1D2, C2D1, and C2D2-certified purge systems
- DC power supplies of up to 75 V that do not require step-down transformers
- EMI protection
- Extended operating temperature ranges
- Fiber-optic networking/extensions
- C1D2-certified products
- Fully sealed enclosures built to meet IP68 standards
- High-bright sunlight-readable LCD displays
- KVM extenders compatible with touchscreens
- Large format displays for overseer rooms
- NEMA 4X 316 stainless-steel enclosures
- Resistant to corrosion
- Shock and vibration protection for seismic activity
- Thin Client/ACP ThinManager compatible

### Company Reference Codes:

**NAICS Codes:** 334111, 334519, 357501

**UEI:** Q7V9FM353J4

**Fed ID:** 84-1104385

**DUNS:** 840912190

**CAGE:** 0ZE75

**ISO 9001 Certification:** 526198

