Amusement and Attractions Capability Statement

Rugged Computing Solutions

VarTech Systems delivers reliable HMI solutions designed specifically for the demanding environments of theme parks and attractions. Our industrial-grade computers and displays withstand extreme temperatures, vibration, and outdoor conditions while providing intuitive interfaces for operators and guests.

Enhanced Visitor Experience

Our high-bright touchscreen displays with up to 1800 nits brightness provide clear visibility in outdoor environments. Automatic dimmers adjust to changing light conditions from dawn to dusk and overnight.

Operational Reliability

With operating temperature ranges from –40°C to 70°C and protection ratings up to IP68, our systems deliver the 24/7 reliability required for attractions that cannot afford downtime. Custom solutions include specialized inputs for operator stations and emergency systems.

Facility-Wide Integration

From individual ride controls to park-wide SCADA monitoring systems, VarTech provides seamless integration. Our edge AI computing solutions support real-time analysis of security camera feeds and operational data for enhanced safety and efficiency.

Use Cases:

Outdoor Information Displays

Theme parks use our 32″ and 43″ DiamondVue and ToughStation monitors to display relevant information to visitors. Touchscreens with water-sensitive controllers and high-bright displays with automatic dimmers for varying light conditions make them well suited for visitor-facing applications.

Attraction Control Rooms

Rollercoaster control systems, which consume intensive computing resources, operate on VarTech's computers with the reliability that theme parks are dependent upon. Localized management and park-wide SCADA systems are supported by our shock and vibration-resistant products.

Security and Safety

Our Bolt (Ai) edge computer is designed to support software used to simultaneously monitor numerous camera feeds to support visitor safety and monitor parkwide security. Peripherals scan employee ID badges to ensure computers are only accessible by authorized personnel.

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:

Bolt (Ai): Fully sealed, resistant to extreme temperatures, powerful edge AI computing.

All-Weather: IP67/IP68 weatherproof computers and monitors for outdoor use.

ToughStation: NEMA 4X/IP66 computers and monitors with large displays up to 43″.

PowerCube: Powerful small form factor PC with scalable mechanical footprint.

ToughStation Workstation: Operator interface for demanding applications.

DiamondVue: Panel and chassis mount industrial computers and monitors.

Trusted by:

The **Walt Disney** Company

DALLAS ARBORETUM AND BOTANICAL GARDEN

SeaWorld ORLANDO

DREAMWORKS

WB

Smithsonian

Product Differentiators:

- Extreme temperature resistance: –40° C to 70° C, depending on product line
- Edge AI software compatibility
- Fully sealed computers, monitors, and HMI workstations
- Heavy-duty computing power: Up to 128 GB RAM
- High-bright displays with automatic dimmers
- Shock and vibration-resistant mounts and components
- Small form factor PCs for tight spaces
- Numerous peripheral options enhance functionality and security
- Weatherproofing: Built to meet IP66, IP67, IP68, NEMA 4X, and NEMA 6 standards
- Wide range of display sizes: 6.5″ to 43″

Company Reference Codes:

NAICS Codes: 334111, 334519, 357501
UEI: Q7V9FM353J4
Fed ID: 84-1104385

DUNS: 840912190
CAGE: 0ZE75
ISO 9001 Certification: 526198

VARTECH SYSTEMS

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