

## Engineering Portfolio

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### Industry: Industrial Automation

#### Design: Embedded Controller

- ❖ PC-104 Intel Pentium processor with Embedded Windows OS
- ❖ DeviceNet and 32-point Digital I/O
- ❖ Win32 driver for asynchronous data access
- ❖ Mechanical design for compact, ruggedized chassis

### Industry: Consumer Electronics

#### Design: Embeddable .NET Remoting Service

- ❖ Embeddable multi-threaded Windows remotable .NET service
- ❖ Built-in web browser for multi-client operation
- ❖ Support for asynchronous messaging activity over serial and USB ports

### Industry: Mobile Computing

#### Design: StrongArm motherboard

- ❖ PDA design allowing for multi-media support
- ❖ Windows CE-based OS

### Industry: Medical Systems

#### Design: Low-emission power management board

- ❖ Extremely low-noise DC-to-DC power system
- ❖ Small form-factor PCB design

### Industry: Consumer Electronics

#### Design: Real-time LCD display for Windows Media Center Edition

- ❖ Custom display technology with interactive navigation
- ❖ Windows .NET service

### Industry: Semiconductor Processing

#### Design: VME-based controller

- ❖ Extremely robust control platform
- ❖ Support for legacy OS and customer-specific application software

### Industry: Consumer Electronics

#### Design: Certification for RF Product

- ❖ Compliance and safety testing for widely-available device