INDUSTRIAL WIRELESS ANTENNAS AND SITE SOLUTIONS

OUR OFFERING

• PCTEL has an extensive portfolio of products for industrial wireless applications
• Rugged directional and omnidirectional antennas for harsh environments including high vibration and extreme temperatures
• Full line of wireless connectivity solutions including cable assemblies, enclosures, and surge protection
• Custom engineered antenna solutions for wireless sensor, gateway and access point housings

OUR CAPABILITIES

• Manufacturing locations in the USA and Asia
• Top of the line SATIMO SG 24 near-field antenna test ranges with anechoic chambers
• High-fidelity 3D electromagnetic simulation and mechanical design software tools
• In-house environmental test facilities
• Custom design and project management services
APPLICATIONS

- SCADA (Supervisory Control and Data Acquisition)
- Oil and Gas Exploration
- Process Control and Automation
- Remote Monitoring
- Machine-to-Machine (M2M)
- Smart Grid
- Utilities
- RFID

PRODUCT PLATFORMS

OMNIDIRECTIONAL ANTENNAS
- Multiple Form Factors
- Superior RF/Electrical Performance
- Robust Mounting
- Horizontal Polarization Options
- Frequency Covered Range from 130 MHz to 960 MHz

YAGI ANTENNAS
- Manufactured from aircraft quality aluminum for optimal strength
- Anodized or powder-coated for corrosion resistance
- Deployed in the harshest environments
- Frequencies covered range from 130 MHz to 960 MHz

FIXED MOUNT TELEMETRY ANTENNAS
- Low Profile
- Surface Mounting
- IP67 Rated Options
- Multiband Options

FLAT PANEL ANTENNAS
- Wideband & Multiband
- Rugged Mounting Solutions
- MIMO Model Options
- Various Gain Models

WIRELESS NETWORK ACCESSORIES
- NEMA Rated Enclosures
- Class 1 Div 1 Enclosures for Hazardous Environments
- Custom Cable Assemblies
- Surge Protection

GPS TIMING ANTENNAS
- High Rejection GPS Timing Antennas
- Designed for use in congested sites
- Equipped with high rejection narrow-band filtering to mitigate interference
- Provides 65 dB rejection of frequencies adjacent to L1 GPS