



MATERIAL HANDLING SOLUTIONS

Reliable Connectivity That Leads to Operational Efficiency

Empower Businesses With Superior Functionality

- Robust, high-RF performance portfolio for today's Material Handling requirements.
- Real time monitoring and control.
- Continuous communication between devices and systems

Expand Your Material Handling Capabilities

Innovative wireless antenna solutions from PCTEL® ensure the critical connectivity that is indispensable to the functionality of today's material handling systems infrastructure.

- Enable communication between various devices, sensors and control units
- Improve efficiency and productivity
- Reduce maintenance cost
- Enhance safety and security



CONNECTIVITY COUNTS ON PCTEL

Antennas are the center of the Material Handling ecosystem, which consists of a diverse range of components, technologies, and processes that work together to optimize material flow, enhance efficiency, ensure safety, and support business operations across various industries.

PCTEL offers different antenna solutions to enable reliable communications that ensure employees are safe, the equipment is used properly, and materials are handled in the right way to minimize the risk of accidents and injuries. Our solutions also enable accurate positioning for material handling equipment.



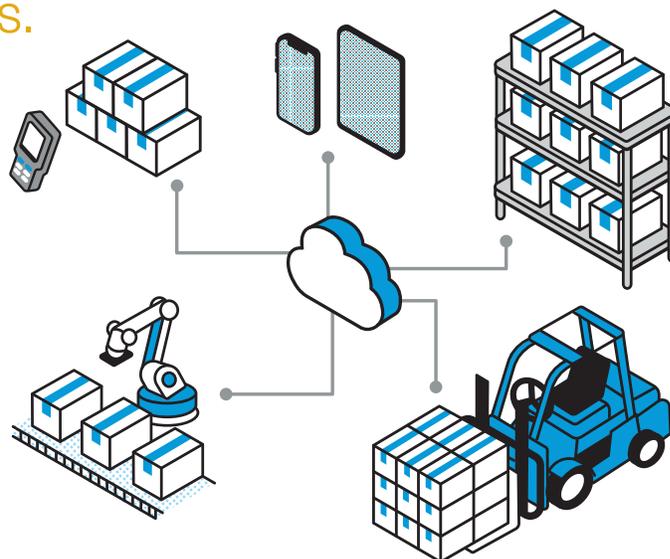
TIME-TESTED ON TOUGH OPERATIONS WORLDWIDE

PCTEL antennas have a long history of proven performance in industrial applications. We have a global presence and are renowned for our scientific and technological expertise. Our flexible and capable development team can customize or create a completely new antennas according to your criteria for:

- Connectivity type
- Color
- Mounting material
- Equipment footprint



PCTEL provides antennas for worldwide MHE manufacturers.



BUILT FOR EVERY CLASS OF MHE

PCTEL wireless antennas are designed to address the challenges of all classes of MHE (Material Handling Equipment). They can withstand the toughest work environments. Waterproof, dust-proof, and vandal-proof, our antennas are audited by some of the world's largest OEMs.



Class 1
Electric Counterbalanced
Rider Trucks



Class 2
Electric Narrow
Aisle Trucks



Class 3
Electric Hand
Trucks



Class 4
Internal Combustion
Engine Trucks
(Cushion Tire)



Class 5
Internal Combustion
Engine Trucks
(Pneumatic Tire)

Smarteq™ AllDisc Combi MIMO

- Product family capable of handling up to 4-in-1 antenna functions
- LTE/5G, WiFi 6E, GNSS
- 617-960MHz, 1710-2690MHz, 3300-3800MHz
- High radiation gain/efficiency
- Hole or wall mounted on metal



Smarteq™ SmartDisc™ Combination

- Cellular: 4G, 3G, 2G, 698-960MHz and 1710-2690MHz
- GNSS: 1559-1606MHz (GPS, Galileo, Glonass and Beidou)
- BT/WiFi: 2400-2485/4900-5900MHz
- Pre-filter LNA with dual feed GNSS antenna
- IP67 class



Coach™ II

- 5G Cellular
- High precision GNSS L1, L2, L5
- Superior out-of-band rejection
- 617-5950MHz, 2400-5900MHz, 1565-1608MHz
- IP67 class
- Handles up to 9-in-1 configurations



Medallion™ II Permanent Mount

- LTE, NB-IoT, LTE-CATM
- Cellular 2G/3G/4G
- 698-960MHz, 1710-2690MHz
- Screw or hole mounted on metal or nonconductive surfaces
- Available in black or grey



Smarteq™ SmartBlade/MiniBlade

- Adhesive mounted antennas
- Ideal for concealed installations on nonconductive surfaces such as plastic
- LTE, 5G, NB-IoT, LTE-CatM
- SmartBlade: Cellular 2G/3G/4G/5G
- MiniBlade: WiFi7/CBRS
- 698-960MHz, 710-2690MHz, 3400-3800-MHz
- Slim and flexible
- Available in black or grey



BMLPV5000-VP

- Attractive low profile design
- Can be used for mobile and fixed base applications
- Multiple band coverage with no tuning required
- 600 MHz - 7.1 GHz
- Environmentally tested to MIL-STD-810G



WiFi Access Points

- Designed for harsh environments
- Small, lightweight form factor
- Supports standard and custom firmware and application software
- Operating temperature between -40°C and +65°C
- IP67 rated
- 4 external WiFi antenna ports
- 2X2, 802.11ac Wave 2 and Bluetooth®



STAY CONNECTED WITH THE RIGHT WIRELESS SOLUTION

Gains in efficiency, safety, and security can only be realized if your devices stay connected. Getting your equipment, devices, and workforce communicating should not be left to just any wireless provider. You need a partner whose core focus is rugged wireless radio solutions for mission-critical and business-critical organizations. We understand how to build reliable wireless performance into your Material Handling operations and help you transform your business efficiencies.

Wireless Expertise

Our skilled RF and mechanical design teams offer decades of experience solving wireless challenges.

Unique Design

We identify new ways to design products so organizations can communicate better.

Quality Built In

We ensure total RF system performance through the entire design and development cycle, from planning to production.

Customer Relationships

We work side by side with our customers to create purpose-built solutions with advanced wireless designs.

Peace of Mind

We provide warranty assurance that our products are free from defects in material and workmanship, taking the risk out of your wireless development network.

Solving Complex Wireless Challenges

PCTEL, an Amphenol company, is a leading global provider of wireless technology solutions, including purpose-built Industrial IoT devices, antenna systems, and test and measurement products. Trusted by our customers for over 29 years, we solve complex wireless challenges to help organizations stay connected, transform, and grow.

For more information, please visit our website at

> pctel.com/industries/material-handling



PCTEL, Inc.

T: +1 630 372 6800 | pctel.com