



Antenna Technologies Technical Services

Supporting the complete life of your antenna

Description

CPI Antenna Technologies division's Technical Services group provides high-quality, professional services in the installation, testing, retrofit, refurbishment and maintenance of satellite communications antennas. CPI's Technical Services group is committed to providing industry-leading support in four primary areas: new installations, existing installations, customer care and service programs.

CPI's decades of satcom industry experience and antenna expertise ensure that the company has experience with virtually any manufacturer's product, enabling it to provide comprehensive high-quality and precision services to the constantly evolving industry at minimal risk to the customer. CPI features a full-service organization, geared for one-stop shopping for antenna systems and service.

Features

- Dedicated and fully qualified field support group
- Vertically integrated team of engineers, technicians, logistical support personnel and project coordinators
- Extensive tooling and test/alignment equipment resources
- Worldwide support
- Field personnel with U.S., U.K. and NATO security clearances



CPI Technical Services



Installation and Test Services for New Antenna Systems

CPI Antenna Technologies division supports the following for all large-aperture antennas, regardless of manufacturer:

- Installation and testing
- Factory trial assembly and alignment support
- Installation of Earth station systems and electrical services
- Engineering and implementation of site civil works

Installation and Test Services for Fielded Antenna Systems

CPI Antenna Technologies offers the following services for fielded antennas, regardless of manufacturer:

Retrofits and Upgrades

- Site survey and evaluation
- Modification of existing system to update performance

Refurbishment and Upgrades

- Site survey and evaluation
- Renovation and overhaul to like-new condition of product or system

Relocation

- Simple repositioning of limited-motion antennas
- Antenna dismantling, moving and re-establishment
- Complete teleport relocation planning and implementation

Replacement and Repairs

- Depot, repair and overhaul

CPI Technical Services

Service Programs

CPI Antenna Technologies division's service programs offer customers:

Preventive Maintenance

- Ensures life expectancy of equipment
- Reduces costly repair bills
- Minimizes antenna downtime
- Prevents damage to equipment and injury to personnel

Remedial Maintenance

- Extends life of key antenna elements
- Returns equipment to higher performance levels
- Preempts expensive refurbishment

Full Service Maintenance & Support Contracts

- Ensures equipment is maintained at recommended intervals and timely availability of spare parts and resources
- Provides total customer support management
- Maximizes availability of antenna
- Extends antenna life expectancy

Other Services

- Replacement parts services
- Antenna test range facility
- Depot services
- Tool and instrument service center



Technical Services

Cooperating Earth Station

CPI Antenna Technologies division offers system verification and validation through the Cooperating Earth Station Service.

- 6.1m, 8.1m and 9.0m stations available
- Uplink and downlink capability at C-, X-, Ku- and Ka-Band
- CW source signal provided for pattern measurements
- Analysis of antenna patterns, options and test reports
- Assistance in focus and balance of antennas
- Transponder time

Customer Training

Training Institute courses include:

- O&M Course (troubleshooting and preventive maintenance)
- Antenna installation
- Antenna RF theory
- Controller commissioning and troubleshooting
- Antenna electrical/mechanical parameter verification
- Tailored to specific antennas and/or customer needs



Technical Capabilities

CPI Antenna Technologies division has an extensive range of capabilities to better serve customers including:

- Systems engineering
- Mechanical/structural engineering
- Knowledgeable field engineers and alignment specialists
- Specialized feed development group
- Controller expertise on antennas of various manufacture

**To learn more, contact
CPI Antenna Technologies at CustomerCareSAT@cpii.com**



Antenna Technologies
1000 Klein Road
Plano, TX 75074 USA

+1 888-874-7646
(In North America)

+1 619-240-8480
(Outside North America)

CustomerCareSAT@cpii.com
www.cpii.com

For more detailed information, please refer to the corresponding CPI technical description if one has been published, or contact CPI. Specifications may change without notice as a result of additional data or product refinement. Please contact CPI before using this information for system design.

© 2026 Communications & Power Industries LLC. Company proprietary: use and reproduction is strictly prohibited without written authorization from CPI.