

CPI FAMILY OF BRANDS

Communications & Power Industries (CPI) is a global manufacturer of large aperture antennas, components and systems focused primarily on defense and communications markets. CPI’s advanced technologies and systems power critical government and commercial applications worldwide, ensuring reliable performance in demanding environments



BRAND ATTRIBUTES

- CPI offers an extensive portfolio of products and services that share key attributes:
- ✓ Serve high-performance industries, including defense (radar and electronic warfare) and communications
 - ✓ Support customers’ needs for high-quality and high-performance RF products
 - ✓ Provide complementary products and services along the RF value chain
 - ✓ Reliably withstand challenging environmental conditions

MARKETS SERVED



Defense



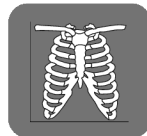
Communications



Scientific



Industrial



Medical

PRODUCTS PORTFOLIO

ANTENNAS

- Fixed, limited and full motion, multi-orbit, deployable and specialty antennas
 - 0.6m to 35m in diameter
 - L-Band to W-Band, multi-Band
- Includes Vertex and Orbital Systems antennas
- Full, turnkey and system integration offerings

PODS

- For communications, radar, electronic warfare and SIGINT applications
- Both custom and COTS solutions
- First to develop and build modular AgilePod™ for quick integration and capabilities insertion
- Includes AdamWorks and Radant pods and design, manufacture and repair services

ANTENNA COMPONENTS

- Fixed and tactical antenna controllers

AMPLIFIERS

- High-power SSPAs, TWTAs and KPAs
 - 10W to 3.35kW
 - L-Band to V-Band, multi-Band
- Satcom, troposcatter and instrumentation applications

RADOMES

- For communications, radar, electronic warfare and SIGINT applications
- Both custom and COTS solutions
- Aircraft, ground-based, shipboard and submarine radomes
- L-Band to V-Band, multi-Band
- Sandwich composite, metal space frame and solid laminate constructions
- Includes Radant and ESSCO radomes

OTHER

- Structural and non-structural aircraft composite components and subassemblies
- High-voltage generators
 - General X-ray imaging applications: general radiography, universal R&F, veterinary, orthopedic, chest imaging, mobile imaging
 - Cardiovascular, oncology and industrial applications

ANTENNA TECHNOLOGIES



CPI acquired the General Dynamics SATCOM Technologies business in 2020, which included the Vertex antenna brand. VertexRSI designed, manufactured and installed large antennas, specializing in fixed and mobile satellite communication gateways, antennas and other controls and microwave components.

The Vertex brand included Vertex Antennentechnik (VA), a worldwide supplier of ground station antennas, precision antenna systems and radio telescopes. VA provides customized solutions for satellite communications, remote sensing, TT&C and deep space missions.



Orbital Systems designs and manufactures antenna systems for demanding tracking applications such as Earth observation (EO), direct broadcast, telemetry, tracking and control (TT&C), radar, search and rescue, and satellite uplink and downlink applications. Designed for extreme and remote environments, Orbital Systems antenna systems need little preventative maintenance, offering lower long-term cost of ownership.

POWER ELECTRONICS



CPI Power Electronics division's high-power amplifiers (HPAs) support mission-critical applications, including satellite uplink communications, instrumentation and troposcatter systems. CPI Power Electronics division's advanced, high-voltage generators power demanding medical imaging and industrial applications.

COMPOSITE STRUCTURES



Radant Technologies designs and manufactures Radant radomes, reflectors and structural composite products for government, military and commercial customers. For more than 35 years, Radant Technologies' products have been used in high-performance airborne, ground-based, shipboard and submarine installations to support communications, electronic warfare and radar applications. Radant radomes are supported by a full suite of services, from custom design and manufacturing to testing and repair.

ESSCO

ESSCO designs and manufactures ESSCO sandwich composite and metal space frame (MSF) ground radomes, as well as specialty radomes and composite structures. For more than 60 years, ESSCO products have been used in fixed sites and towers, as well as in shipboard installations, to primarily support government and defense customers. ESSCO radomes are supported by a full suite of services, from custom design and manufacturing to testing, installation, maintenance and repair.

ADAMWORKS

AdamWorks specializes in composite structures for business and commercial aviation, manned and unmanned systems, space and defense applications. AdamWorks designs and manufactures pods, radomes and fairings for defense customers, fairings for commercial aviation customers, and pressure vessels, fairings and other structures for aerospace customers. AdamWorks pods are supported by a full suite of services, from custom design and manufacturing to testing, maintenance and repair.



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