

**ADVANCED ANTENNA SYSTEMS**



**CPI Malibu designs and manufactures:**

- Airborne Antennas (Data Links)
- Ground Data Terminals (Data Links)
- Telemetry Antennas from 1 - 6 Meters
- Airborne Communications & Radar Systems
- Ground Communications & Radar Systems
- Shipboard Communications Systems - Dual Mode (SATCOM & LOS)
- High-accuracy Positioners (Air, Sea & Ground)
- Stabilized Positioners

**CPI Malibu provides full life-cycle support**

We provide our customers with full life-cycle support for their products, from design and prototype to production and upgrade/refurbishment. We also offer configuration-management capabilities to establish and maintain consistency of a product's performance, functional and physical attributes with its requirements, design and operation throughout its life.

**CPI Malibu's range of support encompasses:**

- RF technology
- Mechanical design
- Electrical design
- Data Link applications
- Telemetry applications
- FEA (multi-physics) simulation
- Complete in-house system level integration and test capabilities
- Design and manufacture of Communications Antenna Systems
- Design and manufacture of SATCOM Antenna Systems
- Design and manufacture of Radar Antenna Systems
- Program Management
- Repair and overhaul capabilities for CPI products, and for others
- Product support such as upgrades, spares, maintenance agreements, on-site installation assistance, and training

For More Details Visit:  
[www.cpii.com/malibu](http://www.cpii.com/malibu)



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## CPI Malibu Division

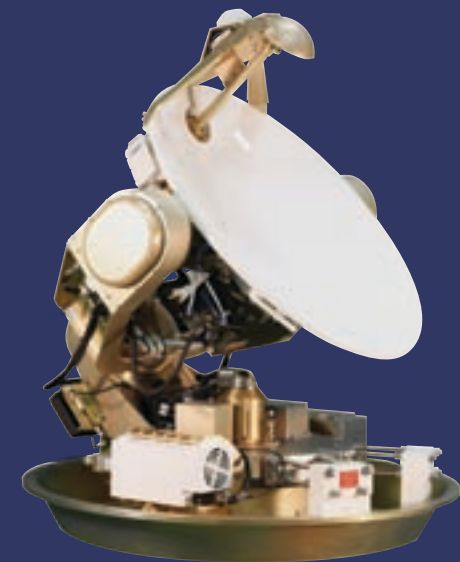
CPI Malibu, a division of Communications & Power Industries (CPI), is an advanced antenna solutions provider for critical defense, aerospace and communications applications worldwide.

### A diverse company with strong capabilities

**CPI Malibu offers extensive systems engineering, design, analysis and manufacturing capabilities. CPI Malibu's advanced antenna systems use the latest and most advanced methods on the market, giving us a leading edge in air, sea and ground applications.**

Customers from around the globe turn to us for advanced antenna systems over all frequencies from 1 to 100 GHz, as well as for positioners and controllers.

CPI Malibu is a recognized leader in the data link and communications industry, and has built an excellent reputation, both domestically and internationally. We offer unique state-of-the-art, high-quality antenna systems, products and R&D / engineering solutions.

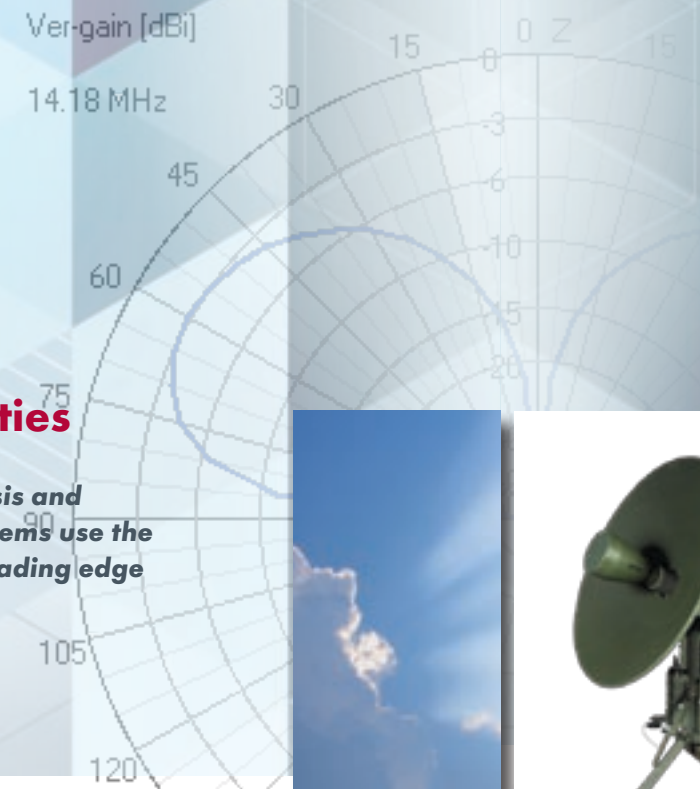


Over the years, CPI Malibu has optimized processes and procedures to consistently develop high-quality, value-added products. In addition, our experience allows us to take customer-provided concepts and turn them into fully integrated antenna solutions in the most efficient manner possible.

With our vast industry experience, strong R&D background, in-depth design and fabrication and production capabilities, it is clear that CPI Malibu is ideally positioned to be your long-term partner for advanced antenna systems.

#### Market segments served by CPI Malibu:

- UAS Markets (global market space)
- Attack Helicopters
- Littoral Combat Ships
- Defense and Aviation
- U.S. DoD
- Foreign MoD
- Defense Prime Contractors



#### Software tools that ensure success

At CPI Malibu, we employ world-class software programs that assist our engineers in the design and manufacture of superior antenna systems. They include:

- CST, Tiera - Antenna modeling
- Matlab Simulink - System modeling
- Cadence - Circuit board design
- Inventor - 3D modeling
- Cosmos, Nastran - FEA, CFD modeling
- Labview - Control/interface design

#### Facilities that live up to CPI Malibu's high standards

Our nearly 38,000 square foot, ISO-9001:2008 certified facility features:

- Microwave and electronics assembly areas
- Test laboratories
- 15,000 square foot high-bay for manufacturing, integration and testing
- Office space

Additionally, our facilities house four antenna ranges, including an anechoic chamber and compact range, an environmental stress screening area (temperature and vibration), a clean-room and a small volume machine shop, which enables us to react quickly to prototype requirements.

#### CPI Malibu Division

We are an agile organization with an extensive R&D background that enables us to deliver comprehensive solutions to complex applications requiring state-of-the-art antenna systems. We are responsive and prepared to work side-by-side with you to develop solutions that can be customized to meet your most crucial requirements.

For More Details Visit:

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#### CPI Malibu programs:

- AH-64E Apache
- ANKA/TACTICAL UAS programs
- Watchkeeper
- DB110
- Peace Krypton
- Peace Xenia
- Triton
- Fire Scout
- Shadow
- Gray Eagle
- Predator
- Reaper
- Hunter
- Senior Scout

#### CPI Malibu customers:

- L-3 Communications Systems - West
- Lockheed Martin Missile and Fire Controls
- Cubic Defense Applications
- Raytheon
- SAvronik
- General Atomics
- Eglin AFB
- Hill AFB
- SAES
- EADS Military Aircraft
- Blue Origin
- Selex
- U.S. Air Force
- U.S. Navy
- U.S. Army
- NASA
- NOAA
- Boeing Company
- Honeywell
- ViaSat
- Titan Corporation
- Exelis
- Royal Australian Navy
- Royal Australian Air Force
- Alenia Difesa (Italy)
- DRS/Excalibur (Canada)
- Agency for Defense Development (Korea)
- Korean Aerospace Industries
- Airbus (Germany)
- Government of India
- Government of Israel
- BAE Systems
- Cessna Aircraft

