

# ComAnt antennas for Professionals since 1990

## Business

By **CompleTech Ltd** has been designing, manufacturing and supplying **ComAnt®** antennas to professional radio networks since 1990. Typical application environments are in closed radio networks: SCADA, telemetry, private mobile radio and networks for authorities. The end users range from water management, electricity, oil and gas distribution to industry and military all over the world. **ComAnt®** antennas are marketed and sold through a partner network in over 60 countries.



## Products

**ComAnt®** antennas cover the frequency range of 60 MHz – 6 GHz. The product range includes antennas with different radiation pattern and gain, power splitters, ring hybrids, lightning protectors, mounting accessories, feedlines and jumper cables, connectors and adaptors. Cables can be ready made: cut to length, connectors mounted, weatherproofed, tested and marked.

## Construction



**ComAnt®** antennas are based on hermetically sealed IP67 grade water and dust proof construction where all electromechanics is moulded inside of closed cell PU-foam and covered by UV-protected fiberglass or ABS plastics. The loading effect of water, snow and ice to antenna electrical performance is minimized by enclosing the radiator within a protective radome. The weight and wind load are minimized in antenna design. Integrated impedance compensation makes the thin radiator behave like a fat and thus a broadband one with excellent VSWR characteristics. The antenna feed point is DC shorted providing basic antenna circuit overvoltage protection. Integrated RF choke prevents common mode currents and unwanted feedline radiation. Antenna mounting hardware is made of corrosion free Al alloy and acid proof stainless steel.

## Logistics

**ComAnt®** antennas are modular internally and externally. Internal modularity enables fast and flexible production from an intermediate to a finished product. External modularity enables combining basic products into countless different application products with different radiation pattern and gain. This all results in extremely flexible logistics, short delivery times and unique reliability of deliveries through the whole supply chain.

## Service

**CompleTech** provides comprehensive technical support, design and modelling of customized antenna arrays and complete radio network planning with state-of-the-art tools.