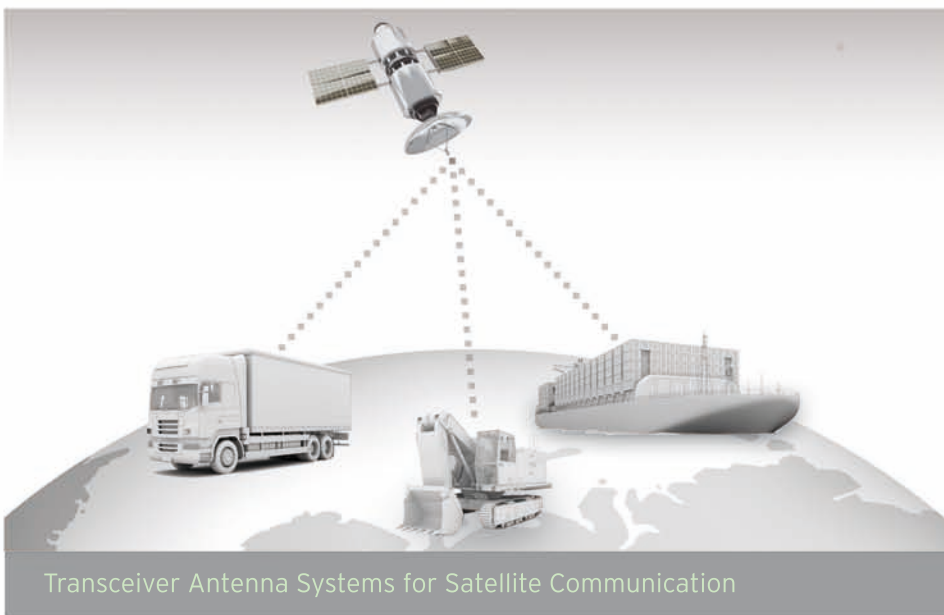


Application Story - Satellite Communication

Transceiver Antenna Systems for Satellite Communication

The telematics world sees rapidly increasing demand to establish communication under all imaginable conditions. Communication and data exchange via satellite based systems is a growing market, especially for communication in remote locations. Unfortunately the comparable high cost for modems and the usually required certifications often pose a high hurdle to climb for the system integrators. A significant number of good application ideas go unrealized just because the initial very high cost for lower volumes would render the project financially unfeasible. Hirschmann - working jointly with various providers in the satellite communication industry - now combines its antenna know-how to integration of the market leading modems. Pairing the best antenna performance directly with the modem provides the customer not only with a certified high performance solution but more so allows passing on a volume effect for the modems, helping to overcome the financial hurdles and allowing ideas to be realized.



Project requirements

- Integration of market leading modems
- Realization of solutions for various satellite services
- High performance antennas
- Flexible use under varying conditions
- Provider certified
- Fast product realization
- Cost efficient for low and high volume projects



ITAS -
Iridium Transceiver Antenna System

Solution

- Utilization of high performance antenna designs in combination with market leading modems
- Initial projects for Orbcomm and Iridium service
- Flexible products allowing integration of other functions
- Ground plane independent high performance antennas
- Elimination of RF cables - serial RS232 interface
- Products undergo all required certifications
- Easy to use plug-and-play products
- Significant cost reduction



OTAS -
Orbcomm Transceiver Antenna System

Hirschmann Solutions Advantages

- Outstanding RF know-how and market leading antenna products
- Leading antenna supplier and appointed development partner for various satellite communication providers
- Close cooperation with leading modem developers
- Automotive quality and low-cost design know-how
- Flexibility to realize customer specific changes
- Fast development - from prototype to final product
- All out of one hand resource
- Global support
- Low manufacturing and tooling cost
- High volume Tier-1 component sourcing priority and cost advantage