



# YAGI ANTENNAS

PRODUCT LINE HIGHLIGHTS



One Source. Global Site Solutions.

# Amphenol Antenna Solutions



## Worldwide Manufacturing

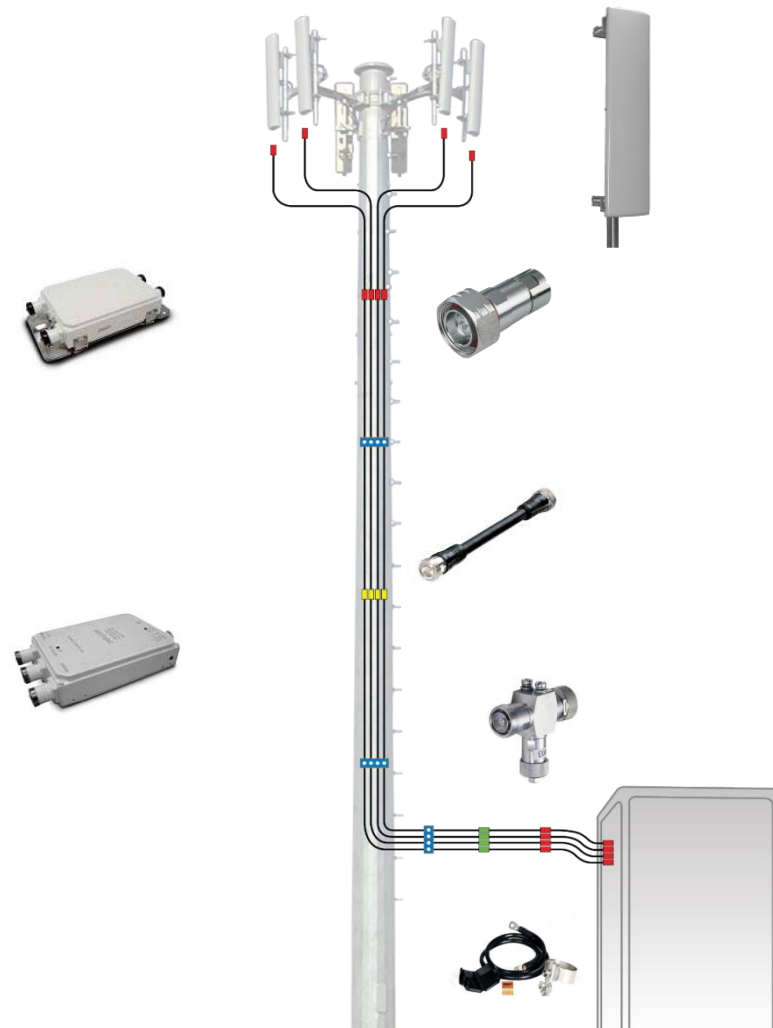
- AAS USA – 3 Plants
- AAS Europe – 3 Plants

- 6 antenna manufacturing facilities
- Strategically located
- 235,000 ft<sup>2</sup>, 21,800 m<sup>2</sup> of production space
- 300,000 antennas per year
- Turnover approx €35m
- 300+ employees



## Global Site Solutions

- Tower Mount Amplifiers
- Filters Combiners
- Antennas
- Connectors
- Arrestors
- Jumpers
- Passive Products
- Installation Equipment



# Market Ready Solutions: Shrouded Crossed Yagis



Model	Description	Frequency	Gain
7469000	Dual band Yagi with integral combiner. Linear / orthogonal polarisation	790-960 / 1710-1880 MHz	11.4-14.4 dBd
7489000	Dual band Yagi with integral combiner. Linear / orthogonal polarisation	696-896 / 1850-1990 MHz	11.9-15.4 dBd
7361003	Dual band, dual input, crossed Yagi for multi-operator use	1710-1880 / 1900-2170 MHz	14.9 dBd
7361008	Dual band, dual input, crossed Yagi for multi-operator use	1900-2170 / 2500-2700 MHz	14.9 dBd

Shrouded crossed Yagis, produce to the **highest quality** robust antennas will ensure **reliable operation** in harsh environments.

# Market Ready Solutions: Shrouded Crossed Yagis



7469000 and 7489000 antennas



7361003 and 7361008 antennas

Shrouded crossed YagiS, produce to the highest quality robust antennas will ensure reliable operation in harsh environments.

## Unique Attributes

- Independent frequency bands . Separate inputs allowing for multi band or multiple operator usage.
- Antenna housed in a water tight fibreglass radome.
- Low profile antenna means low wind loading
- Tunnel mounting kit provides resistance to wind pressure from passing trains and other vehicles.
- Antennas are expected to have a service life of 15 years.



# Market Ready Solutions: Shrouded Yagis



Model	Description	Frequency	Gain
7360003	High gain, single band shrouded Yagi	1710-1880 MHz	14.9 dBd
7360008	High gain, single band shrouded Yagi	1900-2170 MHz	14.9 dBd
7360016	High gain, single band shrouded Yagi	2500-2700 MHz	14.9 dBd
5227000	High gain, SHF Yagi in the 1.4GHz band for P2P link applications	1350-1517 MHz	14.0 dBd
7227000	High gain, SHF Yagi in the 1.4GHz band for P2P link applications	1427-1530 MHz	17.0 dBd

Rugged and durable design housed inside a **high-strength** glass fibre shroud - **professional antennas** for professional networks

# Market Ready Solutions: Shrouded Yagis



Rugged and durable design housed inside a high-strength glass fibre shroud - professional antennas for professional networks



# Market Ready Solutions: V-pol Log-periodic antenna



Model	Description	Frequency	Gain
7478000	Wideband log-periodic	690-2700 MHz	9.5-12.0 dBi



Rugged and durable design housed inside a **high-strength** glass fibre shroud - **professional antennas** for professional networks

# Market Ready Solutions: Circularly Polarised Yagi



Model	Description	Frequency	Gain
7499000	GSM/DCS circularly polarised Yagi with integral combiner	880-960 / 1710-1880 MHz	9.1-12.6 dBd



# Market Ready Solutions: Yagis



Model	Description	Frequency	Gain
7132 family	6, 10, 12, 18 or 24 element Yagi with shrouded PCB slot feed	806-896 MHz Or 790-960 MHz	8.9 – 15.9 dBd
7175 family	8 or 18 element Yagi with Parabeam slot radiator	790-960 MHz	10 – 14.4 dBd



## Unique Attribute

- Metal clamps **will not corrode**. Plastics version are susceptible to UV breakdown.
- Injection moulded connection box **protects against water ingress**, dust and cracking.
- Aluminum used is 6082 T6 which is excellent **corrosion resistance**. It has the highest strength of the 6000 series alloys.
- Antennas are expected to have a **service life of 15 years**.



# New Technology for 2013: X-pol Log-periodic antenna



Model	Description	Frequency	Gain
7478400	Wideband log-periodic	690-2700 MHz	9.5-12.0 dBi



Rugged and durable design housed inside a **high-strength** glass fibre shroud - **professional antennas** for professional networks



## Summary

- One Source Site solutions
- Yagi's / log periodics - shrouded
- V-pol and C-pol.
- Tunnel Mounting kits
- Road Map for X pol logs
- World Class OTIF

**Full line site solutions** - feeder cable, connectors, jumpers, earthing kits and lightning arrestors. Can be **consolidate to provide "kit's"** to site installers.

**Class leading products** - using over 60 years of experience to provide antennas with **service life of 15 year +.**

**World Class delivery** - 2012 Amphenol achieved a **delivery performance of 95 %** delivered on time in full.