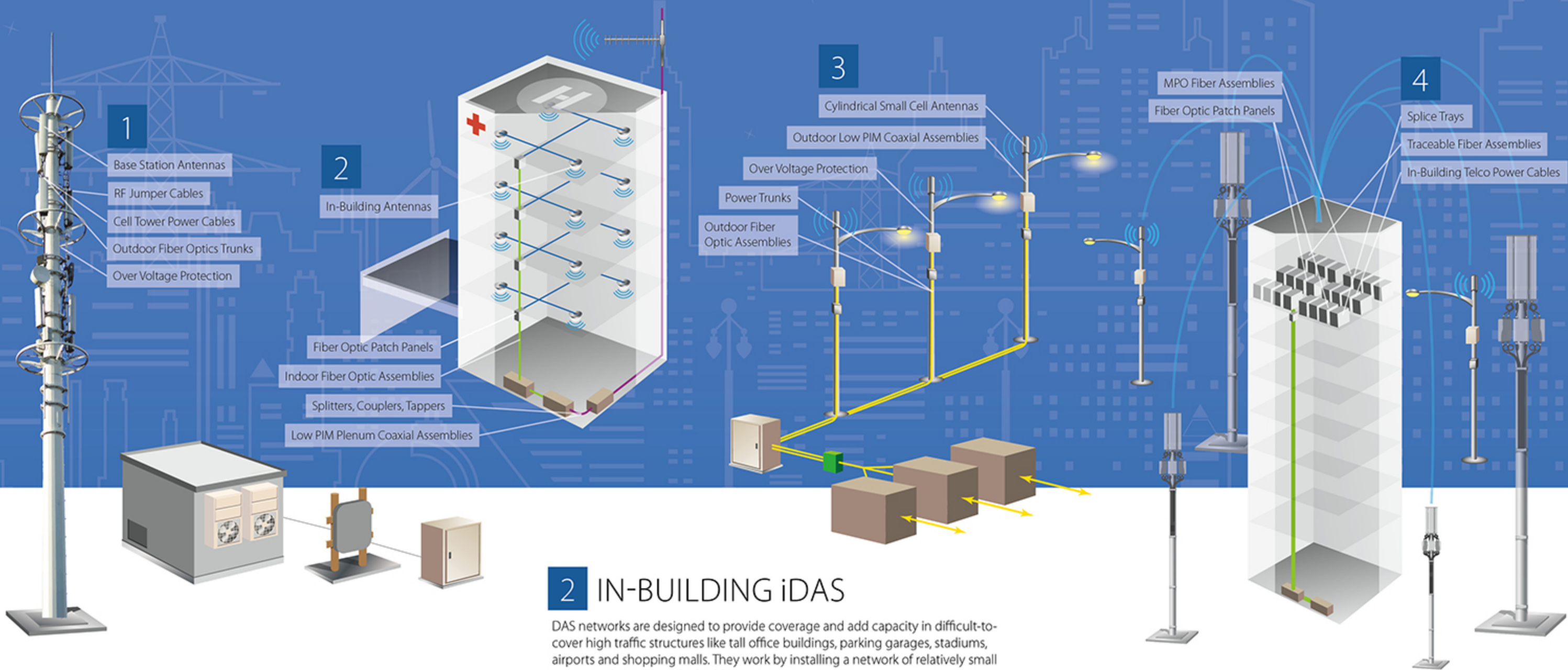




NETWORK SOLUTIONS OVERVIEW

connecting people + technology
with complete site solutions
for your network





1 MACRO CELLULAR NETWORKS

Macrocells are the backbone of the cellular wireless network, providing durable, wide-area coverage and convenience for cell phone users. Its antennas are mounted on towers, monopoles, rooftops & other existing structures at a height that provides a clear view over the surrounding buildings and terrain. Generally, macrocells provide coverage to a cell radius of 1-30 km.

2 IN-BUILDING iDAS

DAS networks are designed to provide coverage and add capacity in difficult-to-cover high traffic structures like tall office buildings, parking garages, stadiums, airports and shopping malls. They work by installing a network of relatively small antennas throughout the building to serve as repeaters.

3 SMALL CELL/oDAS

Small cells allow the mobile network to improve in both coverage and capacity, which is instrumental in meeting the anticipated exponential data usage growth. Small cells can better serve high traffic areas and ensure true mobile broadband capacity to address the needs of today's data-intensive users. They are "small" compared to a mobile macrocell with cell radiuses of 1 or 2 km, and can be discreetly placed on utility/telephone poles, street lamps, or traffic signal poles.

4 C-RAN

Centralized Radio Access Network (C-RAN) is an architecture where the baseband processing for many cells is placed at a centralized location and the Remote Radio Units (RRU's) are placed at distances up to several kilometers away from the baseband site. Benefits of C-RAN include improved performance & network security, network controllability, network agility & flexibility, and cost reduction.

CONTACT US

Amphenol Wireless Solutions brings together the largest centralized group of RF engineers in the wireless industry from the companies listed below. These engineers use decades of experience and expertise to become the creative forces behind industry changing technology and customer focused support programs.

Amphenol Antennae Solutions

Amphenol Broadband Solutions

Amphenol Fiber Optic Products

Amphenol Fuyang

Amphenol Network Solutions

Amphenol Sine Systems

Charles Industries

Procom

Times Microwave Systems

Amphenol® 
Wireless Solutions

Amphenol Corporation is a global leader in the manufacturing and engineering of electrical, electronic & fiber optic connectors; as well as coaxial and flat-ribbon cable interconnect products for a variety of industries such as automotive, aerospace, military, broadband, industrial, IT, medical, and wireless telecommunication. Headquartered in Wallingford CT, USA, Amphenol has local operations employing over 40,000 people, in 34 countries, and over 160 business segments.

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