



Cost-Effective, On-Site Communications and Surveillance System

The constantly changing nature of a construction site, creates special challenges not found in other networking applications. The site itself transforms daily. Even the workers change from day to day as phases get completed and different sub-contractors come and go. Construction sites also have a high incidence of accidents, theft and vandalism. Tools and building materials disappear. Construction equipment is damaged or sabotaged. These and unique characteristics create a need for management to retrieve information and security monitoring from the construction site.

The variety of different construction environments—from the highway to the high-rise—all have at least one thing in common, infrastructure. It has been impractical or impossible to use traditional wired network solutions. Cabling has been proven to be disruptive, expensive, inflexible and prone to damage.

With an Expansive tConnect high performance mesh network, you can easily and cost-effectively install, change, move and remove a site-wide voice, video and data communications network. Because the mesh network functions as an Ethernet distribution system you can readily connect wireless access points, video security cameras, field office computers, to the Internet. The Expansive mesh network is self-configuring and self-managing, there is no need for an on-site network administrator to look after the network.

tConnect wireless mesh nodes can be installed indoors or outdoors—or both. Indoor installations, which require only AC power, typically include both office trailers and any buildings under construction. Outdoors, their extended range, battery/solar power options and weatherproof enclosures make the deployment as versatile as it is dependable. You install and reconfigure a tConnect mesh network simply by adding, relocating, or removing tConnect nodes. This same self-configuring intelligence also allows any tConnect node to become mobile on a vehicle or crane, for example. And once the building project is complete, you can simply unplug the tConnect nodes and take them to the next job site.

