



CONNECTING CONSTRUCTION SITES

4G LTE NETWORKING SOLUTIONS FOR CONSTRUCTION.

- RAPID CONNECTIVITY FOR TEMPORARY SITES
- REMOTE ACCESS TO CENTRAL SYSTEMS
- MARKETING SUITE GUEST WIFI
- FAILOVER / PRIMARY ON-SITE CONNECTIVITY
- CCTV MONITORING AND MANAGEMENT
- PARALLEL NETWORKING

Construction sites require fast, secure and flexible connectivity from the very start of every project – and the use of more advanced applications, such as CAD packages and digital marketing suites, drives the need for increased bandwidth as well. 4G LTE solutions can enable construction organisations to instantly set up reliable networks that can power all of their site requirements.

Rapid Connectivity for Temporary Sites

As temporary fixtures, construction site offices and marketing suites are reliant on access to their central databases and systems. They therefore require fast and secure connectivity from the very start of the project build – yet fixed line solutions can rarely meet this time-based objective, resulting in costly delays between the project start and connection dates.

By leveraging the power of 3G/4G networks though, construction companies can implement fast and secure connectivity from day one of the site build. A mobile networking solution delivers a reliable temporary connection while waiting for the fixed line to be installed, empowering the site to progress at full speed right from the start and giving sites immediate access to their centralised back-office systems and applications.

Failover / Primary On-Site Connectivity

Wireless 3G/4G connectivity provides a powerful failover solution for construction sites, ensuring there is a connection to central databases and systems if and when the fixed line fails. It can also provide primary connectivity in rural locations where fixed line speeds are not sufficient.

Many organisations typically use cellular devices for temporary connectivity initially, while they wait for the fixed line to be installed, and then continue to use it for failover afterwards – maximising the return on their investment.

Marketing Suite Guest WiFi

Marketing suites frequently deliver guest WiFi to enhance the customer's buying experience, but often don't want the service to be connected to (and therefore potentially create risk in) their primary network. By installing a 3G/4G solution however the suite can create a separate, parallel network to deliver this service hassle-free.

CCTV Monitoring and Management

With an abundance of expensive equipment and vehicles left on an uninhabited and often secluded site overnight, construction sites need to employ CCTV systems to help protect against theft and vandalism.

Deploying cellular technologies to support these systems enables remote monitoring and management of CCTV equipment on site, without the need to install a fixed line, and also allows elective retrieval when footage needs to be accessed quickly.

Parallel Networking

Contractors often deploy crews to on-site locations where the customer cannot provide access to their Internet connection, either as a matter of network security or because they simply do not have the facility – yet the teams heavily rely on connectivity to access their centralised systems.

By employing a 3G/4G networking solution however, contractors can rapidly deploy an instant WiFi hotspot so that the team can access the central systems they need, without affecting or requiring the customer's primary network.

Westbase.io work with our partners to deliver 3G/4G mobile networking solutions to construction organisations that help to improve their on-site capabilities. To find out more please contact us...

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Cradlepoint COR IBR1100

The Cradlepoint COR IBR1100 is a fully-ruggedised, compact 4G router, perfect for the harsh environment of a construction site. Offering the latest 802.11ac WiFi it can connect up to 128 devices at high speeds.

Also in the COR series, the **COR IBR600** is a semi-ruggedised, compact 4G router which can connect up to 64 devices.



Cradlepoint AER 2100

The Cradlepoint AER 2100 helps enterprises to increase bandwidth and reliability by intelligently managing and converging wireless and wired networks at the edge – perfect for construction sites where high-availability is essential.



Westbase.io Antennas

Westbase.io offers best-fit advice on our extensive antenna range, ensuring each site location benefits from the best cellular connectivity available.