



Sept 2009

CASE STUDY

INNOVATIVE INTERCONNECT SOLUTIONS

BACKGROUND

CHH's customer is a principal mobile services provider.

The project involved the commissioning of mobile base stations using new microwave systems provided by a leading Japanese manufacturer.

The design of the connector interface on the radio, when placed in situ within a communications rack, meant that cabling and connecting to the radio was severely constrained by physical space.

ISSUES

Quite simply, it was impossible to close the door of the rack due to routing issues and the size of the cable bundle. All attempts at solving the problem were becoming a costly challenge. Up until now that is.

RESULTS

CHH came up with something innovative: a connector backshell that would route the cable assembly through 180 degrees, back across the top of the radio, thereby allowing the mating of the connector in a considerably smaller space, whilst managing the integrity of the signal.

Not only did the door to the communications rack now close securely, installation of the communications cabling was also considerably faster.

BENEFITS

An innovative design solution to a tricky and costly problem matched by a fast and efficient production process.

- Solution designed in 2 weeks and in mass production in 5 weeks.
- Huge savings; inactive resources, project slippages, equipment re-design.
- Customer delivered on promises to its customers who enjoyed the services as and when promised
- Roll out happened as planned and was therefore more efficient.

*Inspired thinking
leads to innovation,
reduces cost,
improves
installation time,
quality and
repeatability of
services, whilst
delivering real
bottom line results.*

