

CASE STUDY

PREASSEMBLED SOLUTION FOR HUAWEI DATA CENTRE

Huawei trusts in Datwyler cabling systems for its new manufacturing base in Huangzhou. Using preassembled products meant that installation was simple, neat and, above all, fast.

Huawei Technologies, established in Shenzhen in 1987, is the world's second largest supplier of communications equipment, it is the third largest manufacturer of smart phones and the leading telecommunications solutions supplier. Its portfolio features integrated solutions for telecommunications networks and business networks, professional services and software solutions as well as mobile devices including tablet PCs. Today Huawei services 45 of the top-50 telecom operators. One third of the world's population directly or indirectly uses Huawei products. The company operates in over 140 countries throughout the world and employs a workforce of over 150,000, of which 70,000 work in Research and Development.

Huawei has collaborated with Datwyler in China since 2012, during which time Datwyler has supplied universal communications cabling solutions for the infrastructure projects on several Chinese sites.

High-performance communications cabling

One of these projects is the so-called Phase II Manufacturing Base in the Xiaoshan district of Huangzhou, the capital of China's Zhejiang Province. The site, which covers an area of over 230,000 square metres, gives Huawei 311,000 square metres of floor space for facilities which include software production, conference rooms and canteens. The functional hub of the manufacturing base, workplace to over 10,000 people, is the Research and Development Department of the Communication Products Division.

Datwyler installed a communications cabling system with Category 6 cables and around 24,000 high-performance connections in the extensive building complex. This was supplemented by the use of backbone cabling incorporating



a fibre optic solution with metal-free, lightning-resistant fibre optic outdoor cables, thus guaranteeing the reliable transmission of data throughout the complex.

10 gigabits in Data Centre

The data centre of the Phase II Manufacturing Base in Huangzhou is used primarily by the Research Department. Here again Datwyler provided the solution, cabling 500 racks with an OM3 fibre optic system so as to achieve a transmission speed of 10 gigabits per second.

The solution was tailored specifically to the customer's requirements and comprised 12-fibre cables preassembled with connectors and 24-port high-density modules, also supplied preassembled. Using preassembled products meant that installation was simple, neat and, above all, fast.

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