

CASE STUDY

SOUTH CHINA UNIVERSITY OF TECHNOLOGY, GUANGZHOU: CUTTING-EDGE TECHNOLOGY FOR YOUNG RESEARCHERS

The International Campus of the Technical University of Guangzhou provides ideal study and research conditions for young scientists. This includes a fast and reliable IT infrastructure solution supplied by Datwyler.



South China University of Technology – SCUT for short – is one of the best universities in the People’s Republic of China. It is part of national projects 211 and 985, which aim to improve research standards and are designed to promote the reputation of the country’s universities.

This means that there is intense public interest in the construction of the SCUT International Campus.

The project, estimated at 10 billion renminbi (134 million euros), consists of two phases covering 500,000 and 590,000 square metres. The new campus provides space for 12,000 students, most of them postgraduates, and will focus on basic research, key technologies and the education of high achievers from home and abroad.

For over 20 years now Datwyler has worked on advanced cabling solutions at over 100 campus construct-

ion projects, thus contributing to the rapid growth of the Chinese education system. The IT infrastructure provider first worked with SCUT on a renovation project many years ago. Since then Datwyler has maintained a close working relationship with the university.

High bandwidths throughout the campus

In 2018 Datwyler won the tender for cabling the first phase of the campus construction project. The project managers were inspired with confidence by the high-performance product solutions and services which the company provided for the new campus. In the autumn of 2021 Datwyler was also awarded the contract for the Phase II cabling project. Datwyler solutions are therefore in use throughout the SCUT international campus.

The new high-performance IT infrastructure in all the buildings means that the Technical University is now





state-of-the-art. The most important areas of the International Campus are also equipped with high-performance

wireless transmission systems such as WiFi. Competitive solutions such as F/FTP cables and shielded Cat.6_A components are used in the research laboratories to support 10G Ethernet applications. In the plant rooms Cat.6_A solutions are also installed at all levels. OM3, OM4 und OS2 fibre optic systems preassembled by Datwyler are used by the contractors to connect the floors and interconnect the buildings.

This integrated IT infrastructure solution guarantees that the International Campus will enjoy dependable high bandwidth data transmission for next 25 years.

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