

## CASE STUDY

### AT&S, KULIM: **STABLE BASE FOR PRODUCTION**

In its new microelectronics factory in Malaysia, AT&S is relying on structured cabling and a campus network from Datwyler.

AT&S Austria Technologie & Systemtechnik AG is one of the world's leading manufacturers of high-quality printed circuit boards and IC substrates with headquarters in Austria. The company is a major supplier to the mobile communications industry, automotive, aerospace and industrial electronics and medical technology. It employs around 15,000 people worldwide and has production sites in Austria, China, India and South Korea as well as numerous sales branches around the world.

In June 2021, AT&S announced the construction of a new manufacturing site in Kulim, Malaysia. With an investment of around 1.7 billion euros over the next few years, the listed technology group has planned the largest investment in the company's history.

In the same year the first construction phase of the new campus began in the Kulim Hi-Tech Park, which is located in the northwest of the Southeast Asian peninsula in the state of Kedah. In addition to the production of high-tech products, a focus of the new location will be research and development. The company is therefore work-



ing on collaborations and partnerships with leading universities in Malaysia. Around 6,000 jobs are expected to be created in the new plant.

In August 2022, EQCOMS Sdn Bhd, a Datwyler-certified solution partner, was commissioned to deliver an IT infrastructure solution for the entire premises cabling and campus network. The Singapore-based system integrator, which has been offering turnkey IT solutions for over 20 years, has extensive expertise in the areas of network technology, data centres and cybersecurity. Due to the quality of the Datwyler products and many successful joint projects, EQCOMS decided to work with Datwyler IT Infra again.

#### **Fibre optic solution for the backbone network**

Datwyler supplied a high-quality armoured single-mode fibre optic cable for the campus network, which extends across the production buildings, administration and warehouse. For safety reasons, FO cables with flame-retardant, low-smoke and zero-halogen sheaths (LSZH) were used throughout the backbone.





The structured premises cabling comprises 13,800 Category 6 copper data connection points, and the installation involved exclusively cables with LSZH sheaths. Not only is the entire communication technology integrated

into the copper network, but also outdoor video surveillance (CCTV), access control and all IoT devices. In the AT&S data centre different coloured copper and fibre optic patch cables from Datwyler IT Infra are also used to clearly distinguish between the various services.

### Successful cooperation

The commissioning of the new plant is planned for autumn 2024. This will successfully complete the first phase of the project. Datwyler is proud to have contributed to the construction of the state-of-the-art microelectronics factory with its reliable IT infrastructure solutions. Based on the positive experience, AT&S plans to continue working together to expand the plant.

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