

CASE STUDY

VAILLANT (WUXI) HEATING EQUIPMENT CO., LTD.: COMPLETE SOLUTION FROM A SINGLE SOURCE

Datwyler delivered a comprehensive IT infrastructure solution including project-related services for the new Vaillant location in Wuxi, China.

The Vaillant Group is an internationally active family business that produces products in the areas of heating, cooling and hot water. Production takes place at twelve locations in six European countries and in the People's Republic of China.

In March 2023 the group began construction of a new research, development and production site in the Wuxi National High-Tech District (WND). Vaillant is investing over one billion yuan (around 140 million euros) in the new building – which is also the only R&D location outside of Europe. In a first step 1.5 million wall-mounted gas boilers and components are to be manufactured here.

End-to-end services

Datwyler products were already in use in the old factory in Wuxi and have been in reliable service there for 17 years. For this reason Vaillant also relied on a complete Datwyler solution package for the IT infrastructure for the



new building, which not only includes systems using copper and fibre optic technology, but also various services.

Installation began in October 2023 and was largely complete in March 2024. Future-proof, 10 gigabit-capable cabling was installed in both production and the office buildings, including shielded Category 7 cables.

In order to meet the special requirements of industrial environments, Datwyler also supplied category 6_A connectors with protection class IP20 and junction boxes with protection class IP44 for the IT and OT infrastructure in the new factory.

Space-saving solution for the server room

The factory is equipped with state-of-the-art machines and has its own server room that supports the complex processes with the necessary computing power. Here Vaillant relies on a Smart Modular Data Centre (SMDC): a



single rack with integrated air conditioning, power distribution, an environmental monitoring system including temperature and humidity sensors and other components.

Professional services

In addition to a variety of products – including for the other server rooms – Datwyler supported Vaillant with professional front-to-back consulting and on-site management services. These services covered the entire pro-

ject cycle: from the initial design of the planned IT infrastructure through progress monitoring to acceptance.

Thanks to reliable deliveries at the agreed times, all deadlines were met. During the construction phase Datwyler's technical team also provided training on installation, handling and testing of the delivered products. The IT infrastructure was put into operation as planned.

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