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HUBER+SUHNER opens new POLATIS® optical circuit switch production site to support AI data centers

Today, HUBER+SUHNER opened its new advanced manufacturing site in Pisary, Poland, dedicated to the large-scale production of POLATIS® optical circuit switches (OCS) for AI and hyperscale data centers. Production capacity is planned to increase at least fivefold over the next two years.

Reflecting the huge surge in demand for OCS solutions, the new manufacturing site will enable HUBER+SUHNER to capitalise on the growing opportunities and volume potential presented by the thriving AI data center market. Increasing the speed of manufacturing of the POLATIS® OCS portfolio will ensure hyperscale operators have the leading-edge technology required to enhance performance and energy efficiency of data center architectures and AI compute clusters.

“The opening of our new Pisary facility is a major milestone that aligns with our commitment to innovation and operational excellence in optical networking,” says Jürgen Walter, Chief Operating Officer Communication segment at HUBER+SUHNER. “Our POLATIS® OCS solutions deliver transparent, software-defined dynamic optical connectivity within energy-efficient hyperscale data centers to meet the low loss and latency demands of high-performance AI workloads.”

Rising demand for OCS solutions stems from the rapid growth of hyperscale data center infrastructure across the globe, driven by cloud computing and the increased use of AI.

AI workloads are hosted on clusters of thousands of graphical processor units (GPUs) interconnected by optical fibers carrying data at hundreds of gigabits per second. An OCS enables on-demand reconfiguration of optical-layer connectivity and can route large volumes of high-speed traffic with minimal latency – essential for AI hyperscale operations.

By maintaining data in the optical domain and eliminating the need for optical-electrical-optical conversions, POLATIS® OCS solutions significantly reduce power consumption and operating expenditure for hyperscale data centers. This enables new data center architectures and allows AI workloads to run more efficiently and at lower cost.

With approximately 3'000 m², the Pisary site will complement the existing Krzeszowice facility nearby, which is currently [being operated at its full capacity](#).

HUBER+SUHNER AG
CC Corporate Communications
8330 Pfäffikon
Switzerland

Christiane Jelinek
Chief Communications Officer
Telephone +41 44 952 2560
pressoffice@hubersuhner.com

Jim Mack
Head Marketing Communication COM
Telephone +41 44 952 2560
pressoffice@hubersuhner.com

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"The Pisary site will enhance our supply of OCS solutions while reflecting our mission for sustainable operations," says Robert Smith, Managing Director, POLATIS at HUBER+SUHNER. "The facilities include a photovoltaic installation with a capacity of 150 kilowatt peak (kWp), a mechanical ventilation with heat recovery, and a biological waste treatment plant. A new building management system has also been implemented to support a low carbon footprint."

More information on the [new Pisary production site](#) and about [POLATIS® optical circuit switching](#) is available on the HUBER+SUHNER website.

This media release can be found at www.hubersuhner.com/en/newsroom/company-news/news-ad-hoc-news and is also available in German. The German version is binding.

HUBER+SUHNER Group

The globally active Swiss company HUBER+SUHNER develops and produces components and system solutions for electrical and optical connectivity. The company serves the three main markets Industry, Communication and Transportation with applications from the three technologies of radio frequency, fiber optics and low frequency. HUBER+SUHNER products excel in excellent performance, quality, reliability and long service lives - even under the most demanding conditions. Through a global production network, combined with subsidiaries and representatives in over 80 countries, the company is close to its customers worldwide.