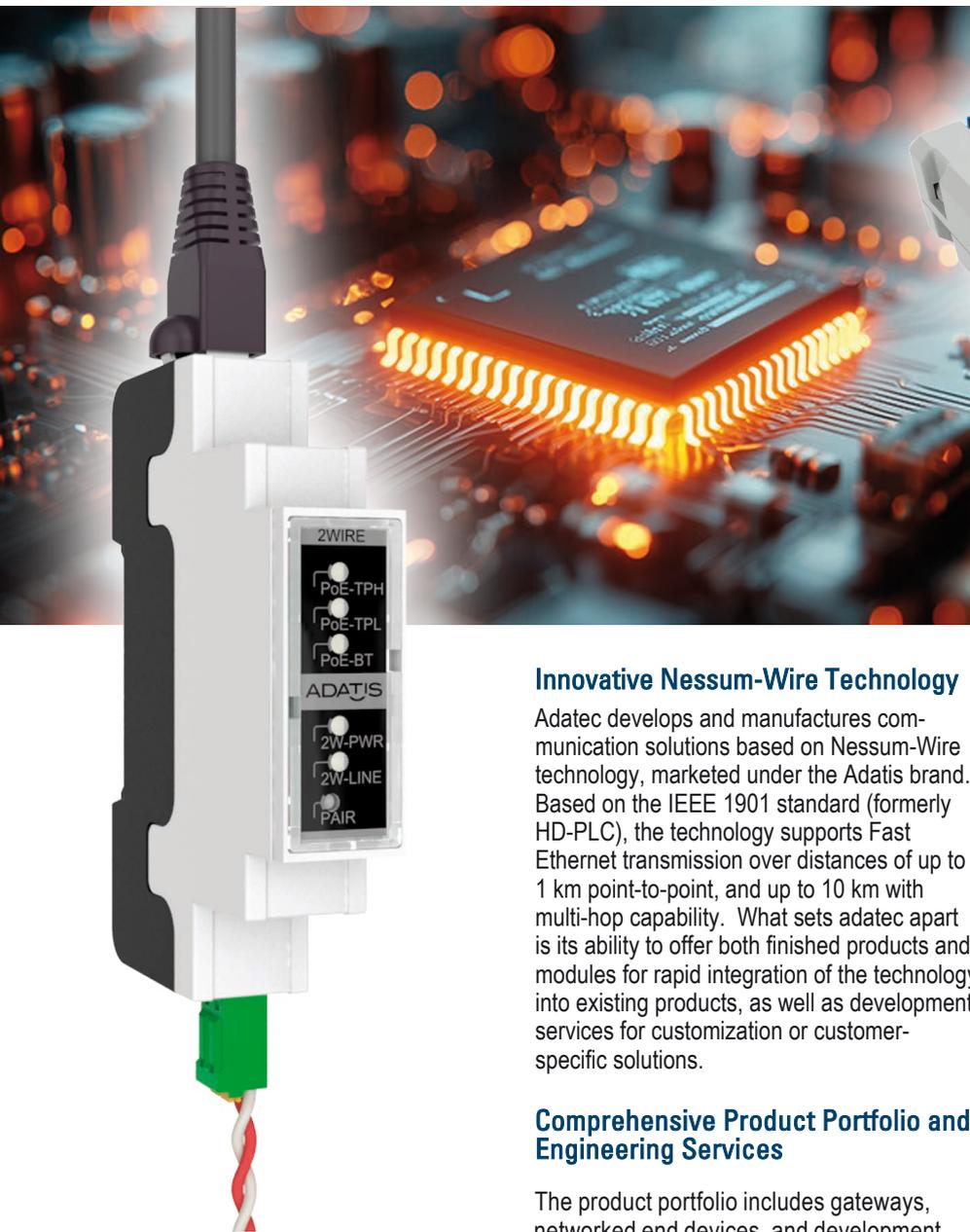


adatec launches new corporate website

Focus on innovative two-wire communication



adatec GmbH has launched its new corporate website www.adatec.eu. The technology company based in Fürth positions itself as a specialist for advanced two-wire communication solutions and presents its portfolio under the product brand Adatis.

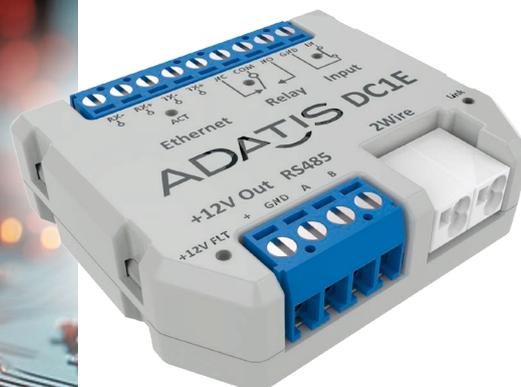
adatec GmbH
www.adatec.eu
www.adatis.com

Innovative Nessum-Wire Technology

Adatec develops and manufactures communication solutions based on Nessum-Wire technology, marketed under the Adatis brand. Based on the IEEE 1901 standard (formerly HD-PLC), the technology supports Fast Ethernet transmission over distances of up to 1 km point-to-point, and up to 10 km with multi-hop capability. What sets adatec apart is its ability to offer both finished products and modules for rapid integration of the technology into existing products, as well as development services for customization or customer-specific solutions.

Comprehensive Product Portfolio and Engineering Services

The product portfolio includes gateways, networked end devices, and development modules that enable efficient system integration across a wide range of applications. In addition, adatec offers engineering services in two areas: adaptation of Adatis products to meet specific customer requirements, and independent development projects for electronic products across various industries. For Adatis products, adatec provides hardware and software modifications, custom interfaces, and system integration to ensure that standard products perfectly match customer requirements.



This includes adapting existing designs, developing customer-specific firmware, and creating specialized variants. Beyond the product portfolio, adatec also offers comprehensive engineering services with particular expertise in embedded vision, video processing, and communication technologies — supporting customers through development, consulting, and technical implementation. A typical application scenario illustrates the advantages clearly: modern IP door communication can run seamlessly over existing doorbell wiring. The door station requires only an Ethernet interface, while all other functions — door opener control, power supply, and additional interfaces — are provided by the door controller in the secure interior. Data transmission, power supply, and door opener signal all run over the same pair of wires.

Market Advantages and Outlook

Nessum-Wire technology offers decisive competitive advantages: existing wiring can continue to be used, saving significant installation costs. With the ranges mentioned, the technology far exceeds classic Ethernet solutions. AES-128 encryption ensures the highest level of data security, while centralized power supply — optionally backed by a UPS — can power up to 1,024 devices on the same 2-wire bus. Looking ahead, adatec is developing a complete ecosystem of compatible 2-wire components. All devices in the Adatis product family will communicate seamlessly with each other and receive both power and data transmission via the proven Nessum-Wire technology — a consistent system solution for modern building automation.