Tesar
A company of **R&S**

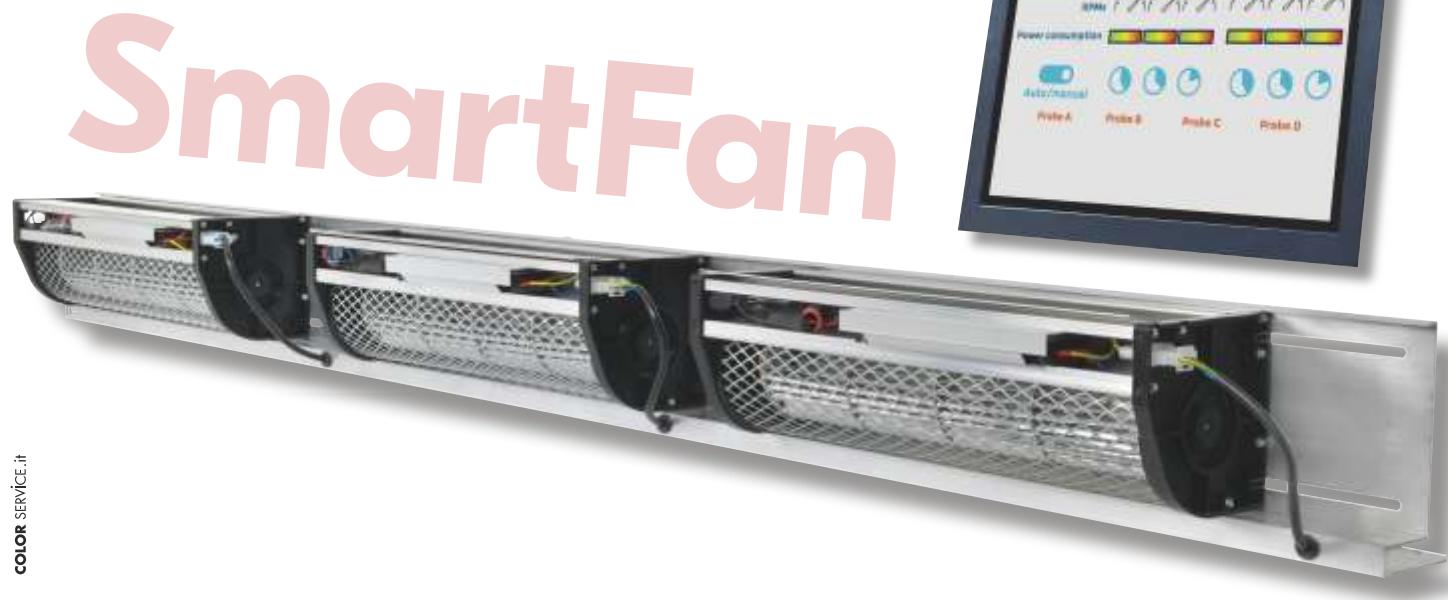# SmartFan, the **breeze** of innovation

SmartFan

SmartFan is the innovative cooling system for your cast resin transformer to lower even more the environmental impact of your power solution! Made in Italy, the SmartFan meets the highest quality and effciency standards to boost the green transformation of your power solution ensuring significant cost savings. Easy to install, SmartFan is composed of six cooling fans that regulate the transformer's temperature with one click. Unlike the traditional cooling systems, the transformer's thermal gradient is regulated by SmartFan through a variable fan speed that allows it to produce the optimal air volume.

"Smart" as the technology it relies on. The system is built upon the latest IT solutions to maximise the optimization of energy consumption in a simple and sustainable way. The integrated management system makes it possible to control with accuracy the delivered power to each single fan, in order to implement monitoring policies aimed at optimising your cast resin transformer management. Once the installation is completed and the parameters you need to monitor are set, the integrated system detects in real time the relevant data for effcient operations enforcing corrective actions if anomalies occur "Fan" as the breeze of innovation brought by the SmartFan ecosystem which allows you to oversee the overall condition of your cast resin transformer through fully customizable dashboards. All the information you need are visualised in charts, boards and graphs to give you meaningful insights.

SmartFan is the ideal solution to enable efective predictive maintenance as it is powered by MilkyDataWay, the cutting-edge Internet of Things solution developed according to the W3C Web of Things Standards that are promoted by major ICT players. The advantage of MilkyDataWay resides in its flexibility that guarantees the integration with any tool you might need. Based on a modular infrastructure with MilkyDataWay you can build up your eco-friendly smart factory starting from your cast resin transformer!

Milky Data Way

• Built in support for industrial IoT protocols (MODBUS, OPC-UA, MQTT(S), HTTP(S), COAP(S), WS(S))
• Scalable to thousands of devices
• Access the knowledge of your IoT deployment with ease and share it with relevant stakeholders
• Create data pipelines and operate your devices remotely
• Plug your applications and tools to adapt the platform to your needs
• Augment your existing IoT solution with predictive maintenance services
• Open source based
• On-premise or Cloud

SmartFan

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We guarantee energy