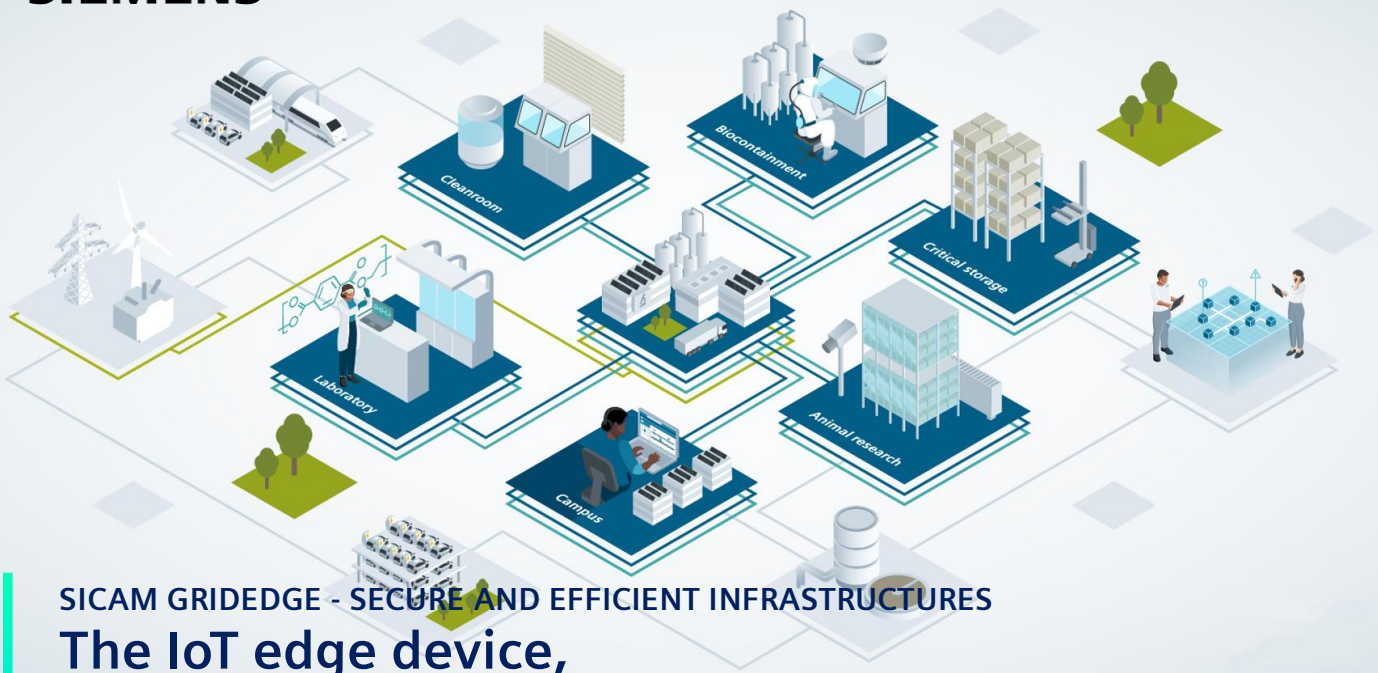
SIEMENS



SICAM GRIDEDGE - SECURE AND EFFICIENT INFRASTRUCTURES

The IoT edge device, wherever energy flows

General

IoT technologies make the operation of electrical infrastructures secure, more efficient and, above all, more sustainable.
In essence, information is recorded from the network and transmitted over a communications network to a cloud system with a state-of-the-art level of cybersecurity.

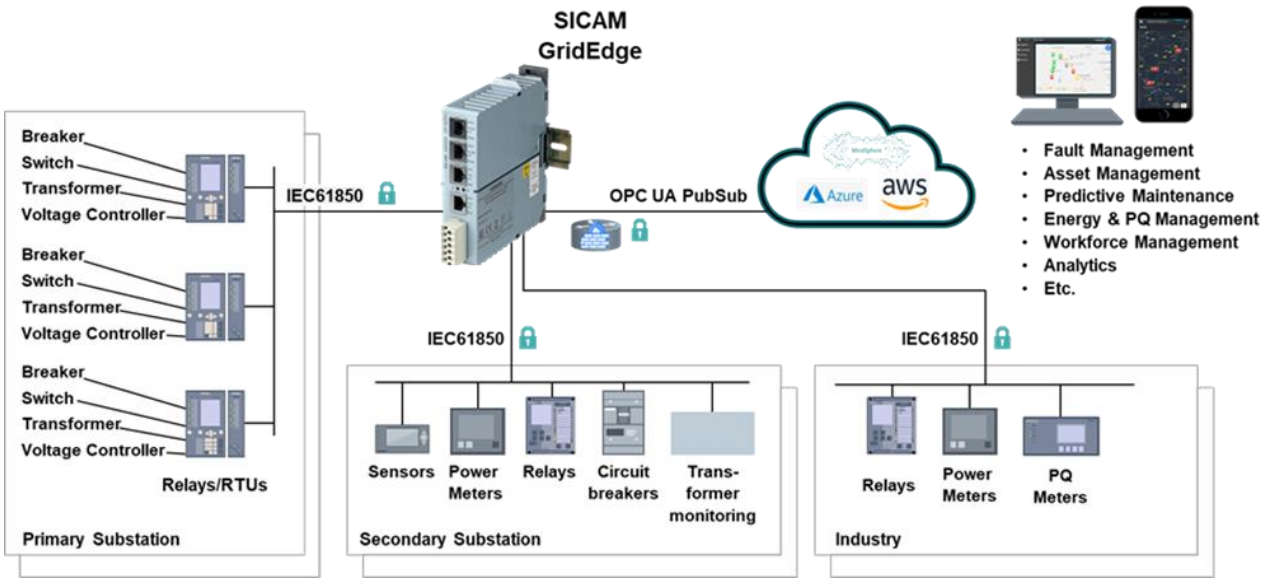
SICAM GridEdge

SICAM GridEdge records, processes, compresses and translates data from the various data sources (protection devices, RTUs, PQ devices, sensors, etc.) and forwards them to a cloud system for further processing. Communication takes place via established standards, such as IEC 61850 for connecting protection devices in substations, and OPC UA PubSub (IEC 62541) for connecting to a cloud.
SICAM GridEdge fulfills the special requirements of the energy environment, such as temperature, electromagnetic emissions and increased EMC stability.

As an intelligent node and gateway in combination with the SIPROTEC Dashboard and PQ Advisor Premium applications, SICAM GridEdge is the optimal solution for connecting to the cloud. This gives you the transparency you need to react quickly and ensures a high level of data security in your system.

Customer benefits

The open architecture of SICAM GridEdge enables all conceivable applications and can be functionally tailored to the respective customer requirements.
Fault management, asset management, maintenance and diagnostics, as well as special data analytics, are just a few fields of application for the IoT technologies.
SICAM GridEdge provides the ideal basis for implementing these applications and making the operation of your electrical infrastructure more secure, efficient and sustainable, whether for new plants or for retrofitting existing plants.



SICAM GRIDEDGE

FUTURE-ORIENTED, ECONOMICAL, SECURE

Technical data

The SICAM GridEdge software is designed so that it can be used on any standard industrial PC with the Linux operating system.

With SICAM A8000 CP-8031 and CP-8050, we offer the optimal hardware platforms for the use of SICAM GridEdge in the critical environment of medium and high voltage substations.

Another advantage: software and hardware from a single source.

SICAM A8000 CP-8031, CP-8050

Interfaces

- 2 x RJ45 Ethernet Ports: 10/100Mbps
- SD card slot

Protocols

- OPC UA PubSub (IEC 62541)
- IEC 61850

Security

- Integrated Krypto-Chip
- Certificate
- IPSec encryption

Field of application / conditions

- Temperature range: -25°C to +70°C
- EMC stability acc. to IEC61000-4

Power supply

- DC 24 to 60 V, 45 W
- DC 110 to 240 V, AC 230 V, 45 W

Housing

- Plastic housing, IP21 protection class
- Dimensions incl. power supply: CPU+SV: 132 x 60 x 124mm (H/W/D)
- Weight incl. power supply: ca. 600g

Operating system, software

- Linux, device software based on container technology

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