

VARIOSTEP

For the monitoring of distribution substations

Key elements of smart grids

The product line of **MICRORTU** concentrators provides significant benefits when building monitoring systems in general in energy and industry as well due to its variability of design. The construction of MICRORTU concentrators enables long-term operation without maintenance.

Security of energy supply to end customers

The MICRORTU concentrator firmware is based on the operation system Linux with the support of processing in real time. All components of the VARIOSTEP product line, including MICRORTU concentrators, increase the added value of the client solution due to their architecture.



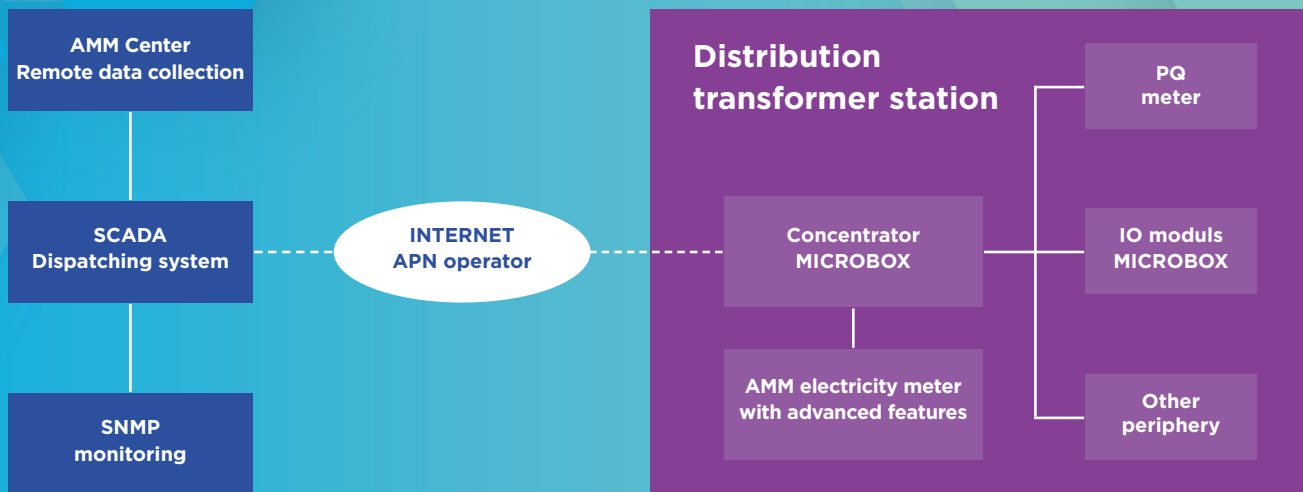
What is distribution substations

- ▶ The key element of electricity grids are distribution substations. Thousands of distribution substations are installed at a low voltage level. Quality increase of electricity supply to end clients imposes challenges to the technical equipment of substations. We feel the interest in our products for monitoring and automated collection of data from distribution substations.

Advantages of MICRORTU concentrators

- ▶ The possibility of a remote upgrade and additional deployment of applications on the go enable a spreading of the investment by a gradual building of smart measurement systems.

Scheme of components of a distribution transformer station



A couple of words about us

We are a supplier of solutions for energy trading, energy and industry. Our solutions are aimed at energy suppliers, who provide their services to end clients, energy traders and energy management in industry. We have been on the market for 27 years and the Chartis report has recently included us in the elite club of **TOP 25 global technology players** on modern energy markets.

Use for local distribution systems or in industrial installations

- ▶ Applications of MICRORTU concentrators combine the SCADA functions with the functions for remote reading of meters. MICRORTU concentrators support the DLMS protocol among others as well.
- ▶ The concept of the VARIOSTEP product line with [MICRORTU](#) concentrators is suitable for application in local distribution systems as well as in industrial installations.



Get to know our other product lines as well

XENERGIE

- ▶ Trading and business
- ▶ Data management and review
- ▶ Invoicing of end customers
- ▶ Group service to customers
- ▶ Predictions
- ▶ Optimization

XAURON

- ▶ Configuration of the HDO transmitter load management system
- ▶ Configuration of switched mode objects, creation of circuit diagrams
- ▶ System monitoring
- ▶ Operational responses