

VARIOSTEP

Great solutions for the support of energy trading

VARIOSTEP is a product line for energy control and management. Applications and modules of the VARIOSTEP product line are intended for deployment in industrial environment. The VARIOSTEP solution consists of applications, devices and complexes assembled for individual functions. The VARIOSTEP solution offers a scalable SW and modular HW suitable for data collection, monitoring and control of the energy economy.

- ▶ **RS115**
- ▶ **RS116**
- ▶ **RS25**
- ▶ **RS26**
- ▶ **RS36**

The product line of control systems for HDO transmitters.



- ▶ The product line of HDO transmitters control systems consists of parametrized and variable equipped units. The transmitter control system is equipped with RSCX control units with a high degree of interference and failure resistance. The functions of the HDO transmitter control system are implemented as program functions in the operating system with the real-time extension.
- ▶ They allow to combine data collection and communication with DLMS, IEC 870.5.104, IEC 870.5.101, MODBUS-TCP, MODBUS-RTU, MBUS and other protocols. The operating system features allow the optional use of security mechanisms and the management of the control system according to the cyber security standards.

Configurations of product line RS

RS115

- ▶ Designed to control one block of a HDO transmitter to the VHV level
- ▶ Thyristor Inverter Double Control Unit (RM)
- ▶ SINGLE, MASTER, SLAVE mode, replacement for ARS110
- ▶ Digital filters HDO, GPS time synchronization receiver

RS116BO

- ▶ Same as the RS116 model
- ▶ With the integrated balance protection measure unit

RS26

- ▶ Same as the RS25 model
- ▶ Double unit HMI
- ▶ Safety features for a manipulation and revision

RS116

- ▶ Same as the RS115 model, without the MASTER mode and RM backup unit
- ▶ Double HMI unit
- ▶ Safety, handling and revision features
- ▶ Possibility of combination with the RK communication racks

RS25

- ▶ Designed to control one HDO transmitter into two HV line busbars
- ▶ Digital HDO filters, GPS receiver for time synchronization
- ▶ Replacement for ARS22

RS36

- ▶ SINGLE, MASTER, SLAVE mode
- ▶ Measuring and control of HDO broadcaster up to 8 HV busbar lines
- ▶ Digital filters for HDO, GPS receiver for a time synchronization

Other configurations and functions are available on your request.



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.



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