

# straton IEC 60870

## Dedicated interface for Energy protocols

IEC 60870 is an international standard for system monitoring and telecontrol in the utilities sector, including for electricity distribution and power systems. The straton IEC 60870 solution combines the efficiency of an integrated development environment with secure IEC 60870 communications.



The IEC 60870 solution provided by COPA-DATA enables a fast and robust integration of the standardized protocol in any RTU, industrial PC or embedded platform. This solution is based on straton components. A dedicated interface allows the connection of variables using many supported drivers: shared memory, CAN, MODBUS, MQTT, IEC 61850, PROFINET, PROFIBUS, EtherCAT, DNP3, etc. as well as physical or proprietary I/O. The configuration tool is fully integrated into the straton development environment. The variable declaration is made using a powerful tag editor and / or through .CSV files using an import / export function.

### IEC 60870-5-101 & IEC 60870-5-104

- ▶ Configuration tools integrated into the straton environment
- ▶ Configure and import objects and variables
- ▶ Integration with the straton Runtime

### DATA MANAGEMENT

- ▶ Exchange with physical inputs / outputs
- ▶ Exchange with a proprietary database
- ▶ Supports Linux, Windows, VxWorks and QNX

### STRATON FOR IEC 60870

- ▶ Support both IEC 60870-5-101(serial) & IEC 60870-5-104 (Ethernet)
- ▶ Configuration tools integrated into the straton environment
- ▶ Easy-to-use graphical tool to declare parameters, variables, and commands.
- ▶ Import/Export variables
- ▶ System "select/execute" for secure remote control using UDFBs
- ▶ Date and time information for analysis and archiving
- ▶ Diagnostics are available for data elements
- ▶ Easy link of variables with other protocols and drivers
- ▶ In addition to IEC 60870, COPA-DATA supports DNP3 and IEC 61850, two other common standards in the utilities industry

### FAST FACTS

- ▶ Configuration tools integrated into straton environment
- ▶ Event-based protocol widely used in the Energy sector
- ▶ Diagnostics possible for all data elements