

Clear power management with Softing Modbus/TCP OPC Server and Siemens PAC 3200

Rising energy prices aren't just a problem for the automotive industry. These days, the management and conservation of energy is of growing concern to manufacturers in all sectors as well as to cities, local authorities and private households.

Intelligent energy management starts with measuring energy consumption to determine where the "energy guzzlers" are in a building or production area and whether certain machines use a particularly large amount of energy.



The SENTRON PAC3200 is a compact, multi-functional device from Siemens for measuring and displaying voltage, current, output and other interesting energy consumption values. The PAC3200 has a Modbus/TCP interface for outputting all of these values, and a visualization program such as WinCC can be used to display and record this data. However, it is much simpler and more cost-efficient to process these measurement values using the Modbus/TCP OPC server from Softing in combination with a program like Excel or Visual Basic. The OPC server automatically reads out the desired measurement data cyclically from the PAC3200 and makes it available to Excel or Visual Basic, where it can be further processed, graphically displayed or stored using standard Excel or Visual Basic functions. Graphical representations of consumption data make it possible to identify areas where energy can be saved and initiate appropriate measures.

The Modbus/TCP OPC Server from Softing Offers the following advantages:

- **Powerful communication** via Modbus/TCP
- **Reliability** through automatic connection monitoring
- **Convenient use**
- Display and evaluation of measurement values in **Excel or Visual Basic** using the supplied OPC ActiveX controls
- **Can be used out of the box** with preset OPC configuration for PAC3200

With the Modbus/TCP OPC server, you can save energy and cut costs considerably when making use of the server's flexibility by deploying it with Modbus/TCP devices from Schneider, Wago, Beckhoff and other manufacturers.

Industry

- Energy
- Energy management

Task / Objective

- Monitoring and evaluation of energy measurement data
- Visualization and recording of electrical power consumption

Requirements

Support of

- Modbus/TCP protocol
- Double floating point data format
- Quick and easy commissioning

Solution

Softing Modbus/TCP OPC Server with OPC ActiveX Client Controls

Benefits

- Comfortable data access
- Quick commissioning
- Evaluation of energy measurement data with any OPC client application (WinCC, InTouch, Excel, Visual Basic, ...)

Market segments

- All market segments using electrical machines and equipment