Studer Innotec communication solutions

In today’s digitised world, monitoring and control is becoming increasingly important. In the process, always larger volumes of data should be transmitted at highest possible speed. As a result, the transmission technologies are rapidly evolving.

Studer offers a wide range of transmission tools so that you are constantly connected to your system. Whether a simple system overview for the user, security and warning messages or as support tool for the technician, there is the right solution for every need.

The solutions range from 3G technology to satellite transmission, SNMP / Modbus and professional SCADA integration.

Energy for a better life
Internet based access
Interfaces for remote interaction with the installation (including real time information, access to settings and the basic configuration).

The intelligent plug & play solution allows the configuration of alarm messages to be sent on a mobile phone via SMS.

LAN based communication sets
With the LAN based solution, a wide range of transmission options can be used to establish the communication with our web portal. In addition, the solution offers the same benefits as the 3G solution shown above.

Key Points
- 3G, 4G or 5G routers compatible with your local network operator

Energy management system (EMS) and energy storage sets
With the integration of a SCADA unit, a completely individual functionality can be realized, which works according to the specific requirements of the system. For the integration of systems with an external SCADA system, we offer interfaces and compatible and open communication protocols. They allow remote read out of data and also to modify the configuration parameters of the battery (e.g. for rating states).

Solar Monitor ™ platform
Turnkey solution with the possibility to add additional devices for a modular and flexible integration of additional PV production plants or different sensor measurements. Technical applications are available from MODBUS with the 3G platform and are also available for a local data logging.

Key Points
- Real time display
- Transmission via data logs from 30 days
- Use of own 3G card
- Use of E-M 3G router
- Data transfer via SMS
- Storage capacity

More info
Communication between the SCADA station and the energy storage system for an individual application.

The protocols are open and accessible, and hence allow the configuration of the E-M 3G router.

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