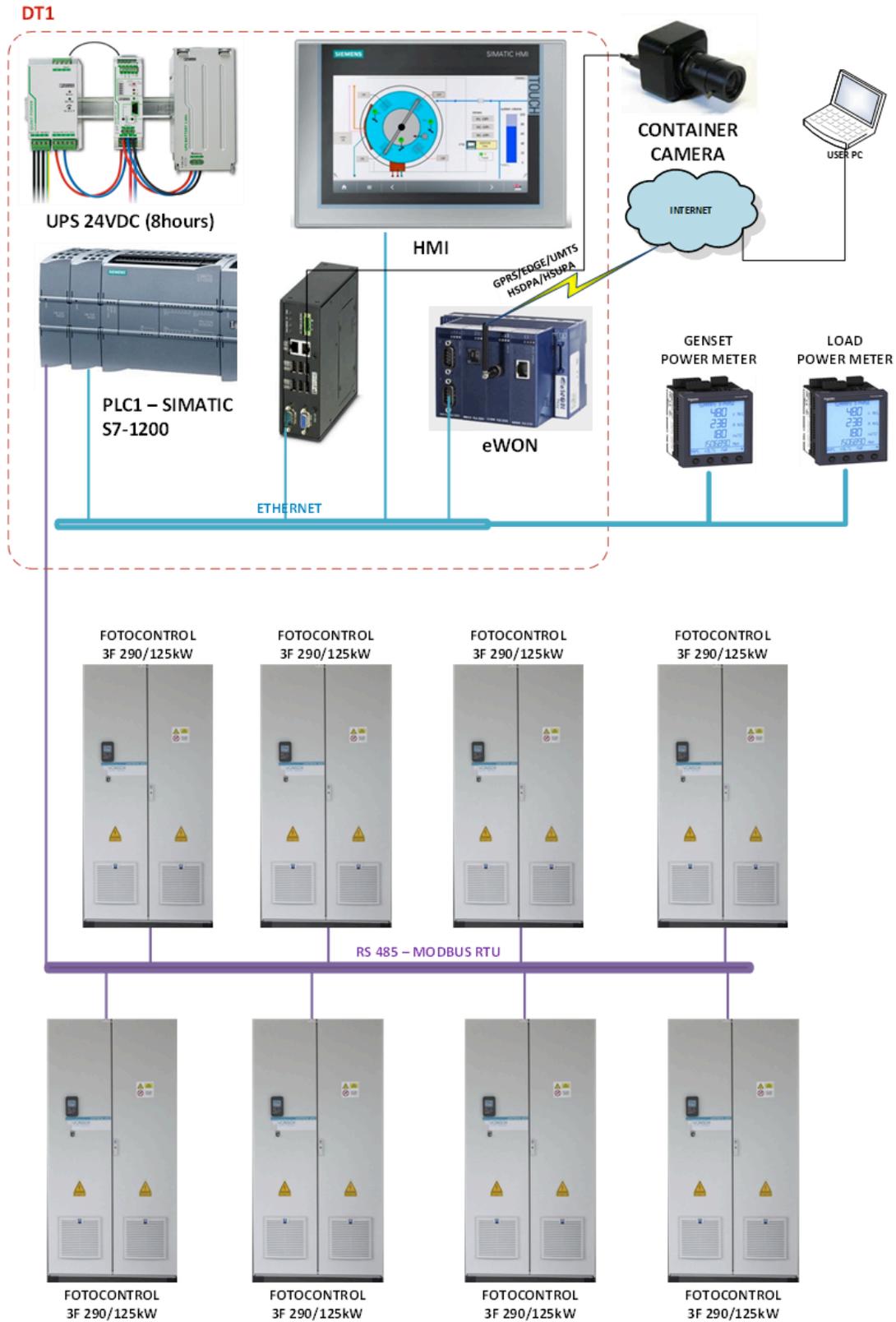


VONSCH PV – Diesel Fuel Save Control System



Fuel Save Control System (FSCS)

Fuel Save Control System will be mounted in a separate control cabinet (about 1000x800x315mm) in a container together with inverters

FSCS is designed to ensure these basic functions:

- Secure (VPN) connection to the internet via GSM network (SIM Card with access to the internet is required)
- Data link with load consumption meter and with genset power meter
- Web visualization (HTML5) with the following information:
 - o online status of devices, instant data values with one second period of renewal
 - o long-term historical archive of operational status and trends, and energy balance (the data are archived locally independent of the Internet connection)
 - o The images from cameras mounted in the container
- Local visualization
 - o SIEMENS color touchscreen 12 " display located on the control cabinet FSCS
 - o Information about the current status of photovoltaic power plant
 - o Information about the individual inverters, including connecting the strings
 - o Current alarms and archive of alarms
 - o On each inverter is the door-mounted panel with graphic display
- Alarm management with SMS and EMAIL notification
- Uninterruptible Power Supply 24VDC for control system and container lightening, up to 8 hours backup time
- Monitoring and checking of proper operation by the manufacturer of system
 - o **Remote diagnostics and device configuration**
 - o **Remote inverters firmware upgrade**

