- Cloud technology
- No license costs
- Plug'n play for a fast operation
- Email notifications of alarms/faults
- Theft notice (geo-fencing)
- Mimic based on widgets
- Access profiles

BSD 2.0

Remote monitoring box

PART NUMBER
A61Y2

SOFTWARE
In the Cloud

ASSOCIATED PRODUCTS
GENSYS COMPACT
GENSYS 2.0

BSD 2.0 is a remote monitoring and controle box for GENSYS COMPACT and GENSYS 2.0 application. It communicates via GSM/GPRS/3G using a SIM card - compatible with most of the worldwide network - or over wired Ethernet. Data are saved on a server.
The server offers pages presenting the values on widgets, plotting them for trending, and handling the alarms/faults (filtering). Datas are accessible through customer profiles from any plateform (PC, phone, tablet...)

CLOUD SERVICES (IaaS)

BSD 2.0 interfaces with a cloud-based server via the cellular network or Ethernet. Log in to bsd20.cretechnology.com, then visualize generator data and control the generator.

GENERATOR REMOTE METERING

Information can be read on any web browser (on PC or tablet), or smartphone at any time. However, to get the latest information, keep BSD 2.0 connected to the server either by Ethernet cable or by antenna respectively.
Readings: generator, mains, engine, inputs/outputs states. Multi-parameter trend curves with 3 user-selected time scales. Generator geo-localization.

GENERATOR REMOTE MONITORING ALARMS & SMS

GENSYS alarms/faults are forwarded to the server and handled for clear presentation. E-mails are forwarded for early notice. Alarm/fault history can be downloaded as a csv or xls file. Generator geo-fencing (theft notice): as soon as the box exits a defined zone, BSD 2.0 forwards an e-mail that notifies a theft.

GENERATOR REMOTE CONTROL

Making power plants accessible through a remote communication link coobly or technical decision can be remotely taken. It brings service rendered to end user to a new and high level.

Remote control includes:

- switching to Automatic, Manual or Test mode
- resetting the alarms/faults (required by remote start)
- starting and stopping a generator
- opening/closing a breaker

AUTO-DIAGNOSTIC

Local LEDs: For each communication port for the signal level and for the power supply.

DATA SECURITY

Data are stored in secure data center.

BSD 2.0 Remote monitoring box

HARDWARE

- Housing: Metal coated with painting
- Mounting: On wall
- Footprint: 135 x 85mm
- Operating temperature: -40 to +65°C
- Power: 9-32V_{DC} through a not polarized C1 connector. PE lug
- Power consumption: 4.5W @24V_{DC}
- Antenna consumption: SMA female (one for 3G/GPRS, one for GPS)
- Relay output: 24V max, AC/DC, 1A
- Analog inputs: 4 (0-10V, 0-20mA), 2 of them supporting Pt100
- Digital inputs: 2 (contacts)
- Connections: Screw terminal block, SIM card

WIRED ETHERNET

- Bandwidth: 10/100 Mbit/s
- Proxy support: Yes
- Services: outgoing e-mails (SMTP), tunnelling
- Capacity: 128 readings and 128 alarms/faults

CELLULAR

- 3G Bands: Five Band UMTS/HSPA+
- 3G frequencies: 850/800/900/1900/2100 MHz
- GPRS: Quad Band GPRS Class 12
- GPRS frequencies: 850/900/1800/1900 MHz
- Services: outgoing e-mails
- Capacity: 128 readings and 128 alarms/faults