AutoLog® GSM / GPRS driver for Web Studio SCADA

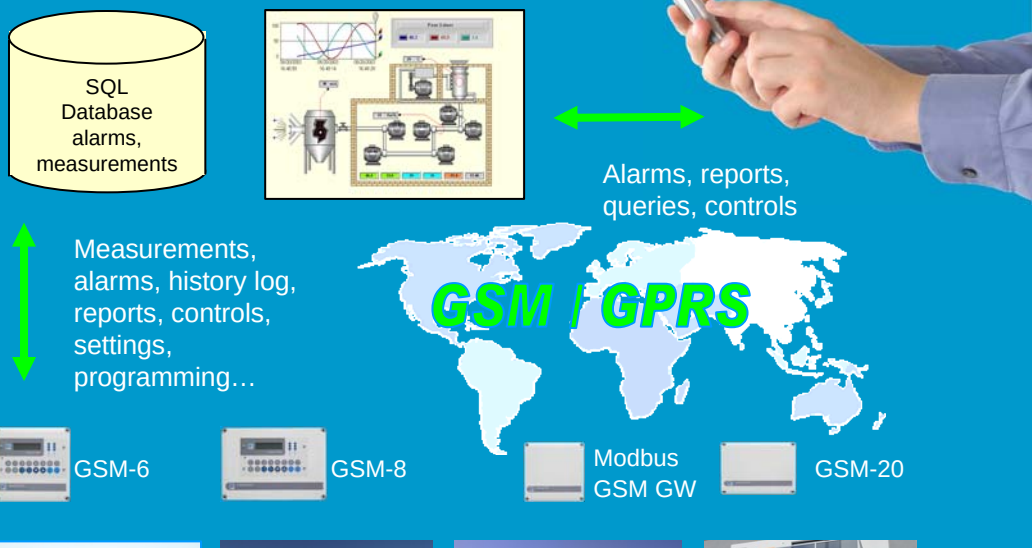
SOPHISTICATED® AUTOMATION

Cost-effective and easy to install solution for remote target supervision and control

Uses almost global GSM / GPRS network for communication

Suitable solution for any remote target application. Easy expansion, up to hundreds of targets

GSM / GPRS driver for Web Studio



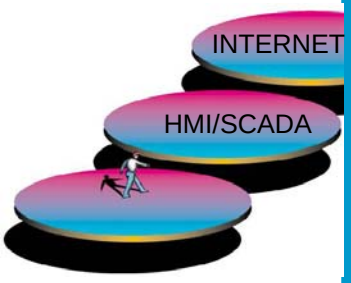
AutoLog GSM / GPRS driver allows Web Studio to communicate bi-directionally with all AutoLog GSM-PLCs.

Measurement data is collected using SMS or GPRS and stored to Server PC's database. It can be analyzed using Web Studio's Trend line objects.

Alarm are send immediately using SMS messages, alarms are stored to database and can be analyzed using Web Studio's alarm object. Alarms can be forwarded to operator's GSM phone(s).

Controls and program changes can be made from Web Studio or using GSM phone.

GSM-PLCs can log data into its memory. This data can be send e.g. once per day using GPRS / FTP data or SMS history message. The GSM / GPRS driver is designed so that it allows cost effective but effective communication.



GSM/GPRS-Ready SCADA

Web Studio – GSM / GPRS

Microsoft GOLD CERTIFIED Partner

THE AUTOLOG® FAMILY

AUTOLOG® PLC AUTOLOG® GSM AUTOLOG® OEM
AUTOLOG® RTU AUTOLOG® TETRA AUTOLOG® HMI

AutoLog® GSM / GPRS driver for Web Studio SCADA

SMS communication (Web Studio << >> GSM-PLC)

GSM-PLC sends free format alarm message >> >> Alarm message is collected and stored to Web Studio PC's database >> Alarm message can be viewed in Web Studio alarm object >> Alarm can be forwarded to configurable GSM phone numbers >> Alarm can be forwarded to e-mail(s) - Alarm limits can be programmed in GSM-RTU - Alarm limits can be maintained from Web Studio
GSM-PLC sends report message >> >> Report message is collected to Web Studio >> Values can be seen in Web Studio's graphical objects >> Values can be stored to measurement database -Report message includes current variable values
GSM-PLC sends measurement history message >> >> Measurement history message is collected and stored to database >> Values can be analyzed using Web Studio's trend object -History message includes many time-stamped values from one variable
GSM-PLC sends free format event message >> Event message is collected and can be seen in Web Studio's event object
Web Studio sends control command >> GSM-PLC receives control command and makes control, changes variable value, changes program line, changes alarm limit etc.

GPRS communication (Web Studio << GSM-PLC)

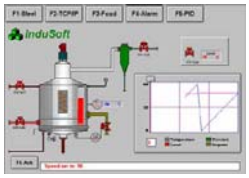
GSM-PLC sends measurement log file using FTP >> Measurement log file is send to Web Studio PC >> Log file is parsed to measurement history database >> Measurement data can be analyzed in Web Studio's trend object - One FTP log file can include e.g. 1 x 43000 or 2 x 21000 or 8 x13000 time-stamped measurements

SMS communication (Web Studio << >> GSM phone)

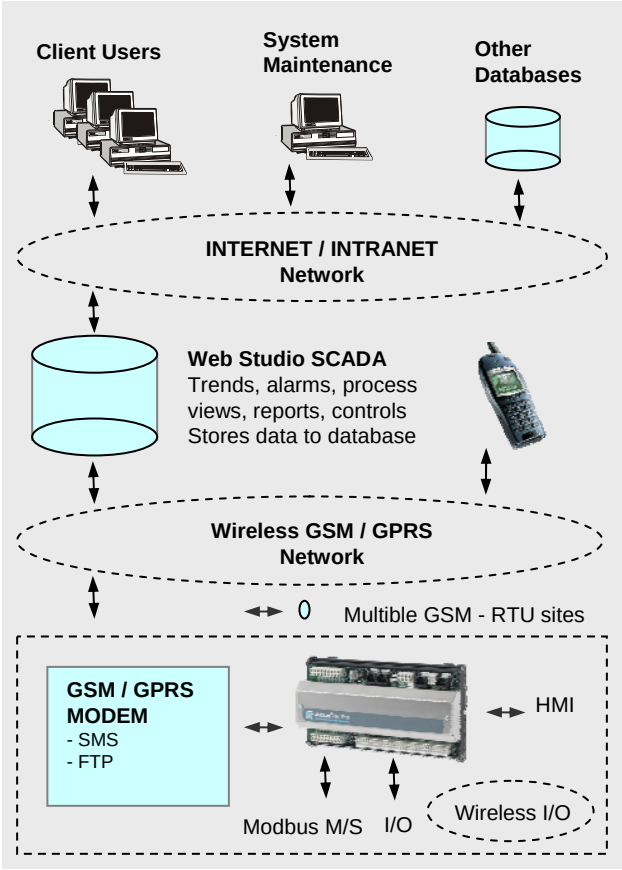
>>Web Studio sends (forwards) alarm message to configured GSM phones >> Allowed GSM phones can send control commmands to Web Studio >> Control commands can be analysed automatically in Web Studio and forward to GSM-PLC or report message can be send back to GSM phone. >> Web Studio can send automatic time triggered report message to GSM phones.

Required components

- **Windows 2000/XP PC**
- **Web Studio SCADA**
- **GSM modem and free serial port**
- **Database and GSM/GPRS driver**



Open for connections:



FF-AUTOMATION
Eräkuja 2, 01600 Vantaa, Finland
tel. +358 9 530 6310
fax +358 3 5846 711
e-mail: info@ff-automation.com
Web: www.ff-automation.com