



# Superior SCADA Solutions

Leading Edge SCADA Software & Hardware Solution Management

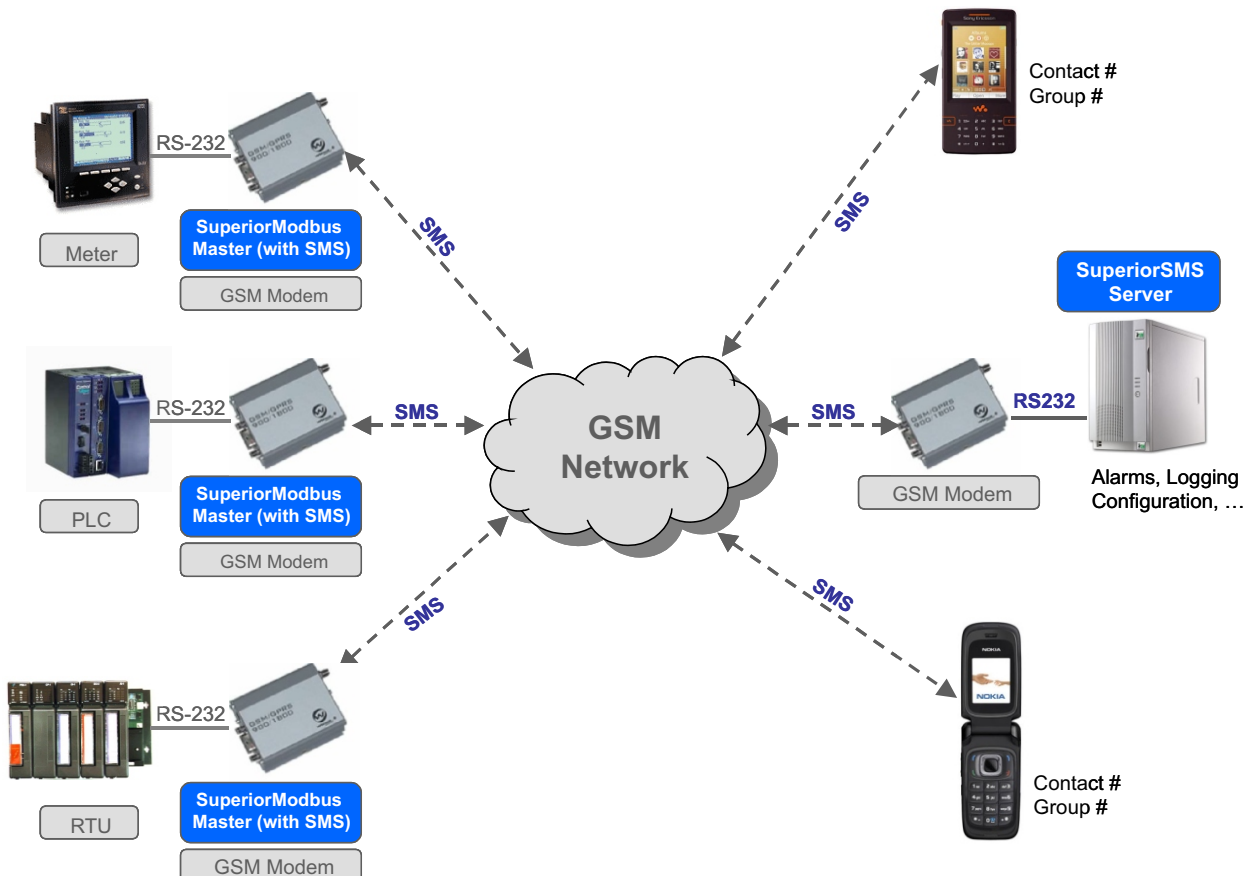


## SuperiorModbus Master (with SMS)

Superior SCADA Solutions Pty Ltd specialises in developing innovative wireless solutions for the SCADA industry. SuperiorModbus Master (with SMS) is an application which combines a Modbus Server with SMS capability inside a GSM modem. Traditionally, an external intelligent device is needed to communicate to the Modbus slave device and based on preconfigured threshold levels send out alert SMSs if these levels are exceeded. Now these functions are combined and integrated into the GSM modem, eliminating the need for the external intelligent device. The intelligence is built into the SuperiorModbus Master (with SMS) application that resides inside the GSM modem.

### Applications

- Water Utilities - fresh and waste water level alarms, pump control, sensors measurement...
- Electrical utilities - fault indicators, reclosers, transformer temperature alerts...
- Metering - water, electricity and gas
- Rental equipment monitoring and control
- Building management, HVAC
- Street lights monitoring and control
- Security - movement detection and video transmission
- Load profiling for electrical & water parameters, sensor measurements such as pressure, temperature, humidity, flow rate etc.





# Superior SCADA Solutions

Leading Edge SCADA Software & Hardware Solution Management



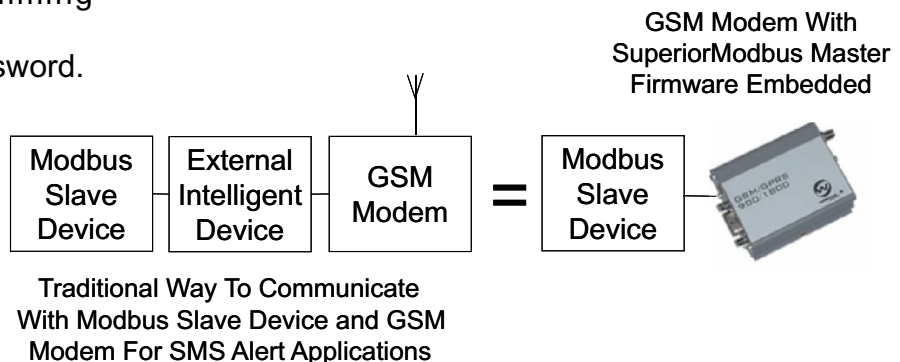
## SuperiorModbus Master (with SMS)

### Features

- Compatible with Modbus RTU protocol devices (PLCs, RTUs, meters, data loggers etc) using Modbus functions 1 - 6.
- User-friendly Graphical User Interface (GUI) for configuration, downloading and uploading.
- Easy to configure - setup within minutes. The configuration parameters can be saved and downloaded into other GSM modems with the SuperiorModbus Master application inside.
- Sends alert SMSs to SuperiorSMS server software and /or mobile phones.
- Sends periodic parameters via SMSs back to the SuperiorSMS server software for logging. Extremely useful for low-cost Modbus devices that do not support local logging.
- Support remote control, acknowledgements and configuration via SMS.
- Support multiple contacts and groups.
- Hysteresis used to prevent excessive SMSs when values oscillate near the threshold levels.
- Only authorised mobile numbers are able to remotely configure, acknowledge alarms or perform controls.
- Unused mobile numbers and certain parameters can be deactivated remotely.
- Uses standard OpenAT programming platform.
- AES 128 Bit encryption used for the password.
- Developed in Australia

### Advantages and Benefits

- The GSM modems are shipped with the SuperiorModbus Master application inside. Only configuration specific to your devices are needed.
- Compatible with most GSM networks worldwide.
- Very cost-effective because the SuperiorModbus Master application is inside the GSM modem. No external intelligent devices are needed.
- Compatible with existing or new Modbus devices. There are numerous field devices which would be more useful if it could communicate with the SuperiorModbus Master application.
- Using SMS to send alarms and data for logging is inexpensive as it is event or time driven.
- Users can purchase the specified GSM modems locally and the SuperiorModbus Master firmware can be sent via email which can be downloaded into the GSM modems in your office. This is advantageous as you have local support for the GSM modems and avoids any delivery delays or import issues associated with communications equipment.



Authorised Dealer

