

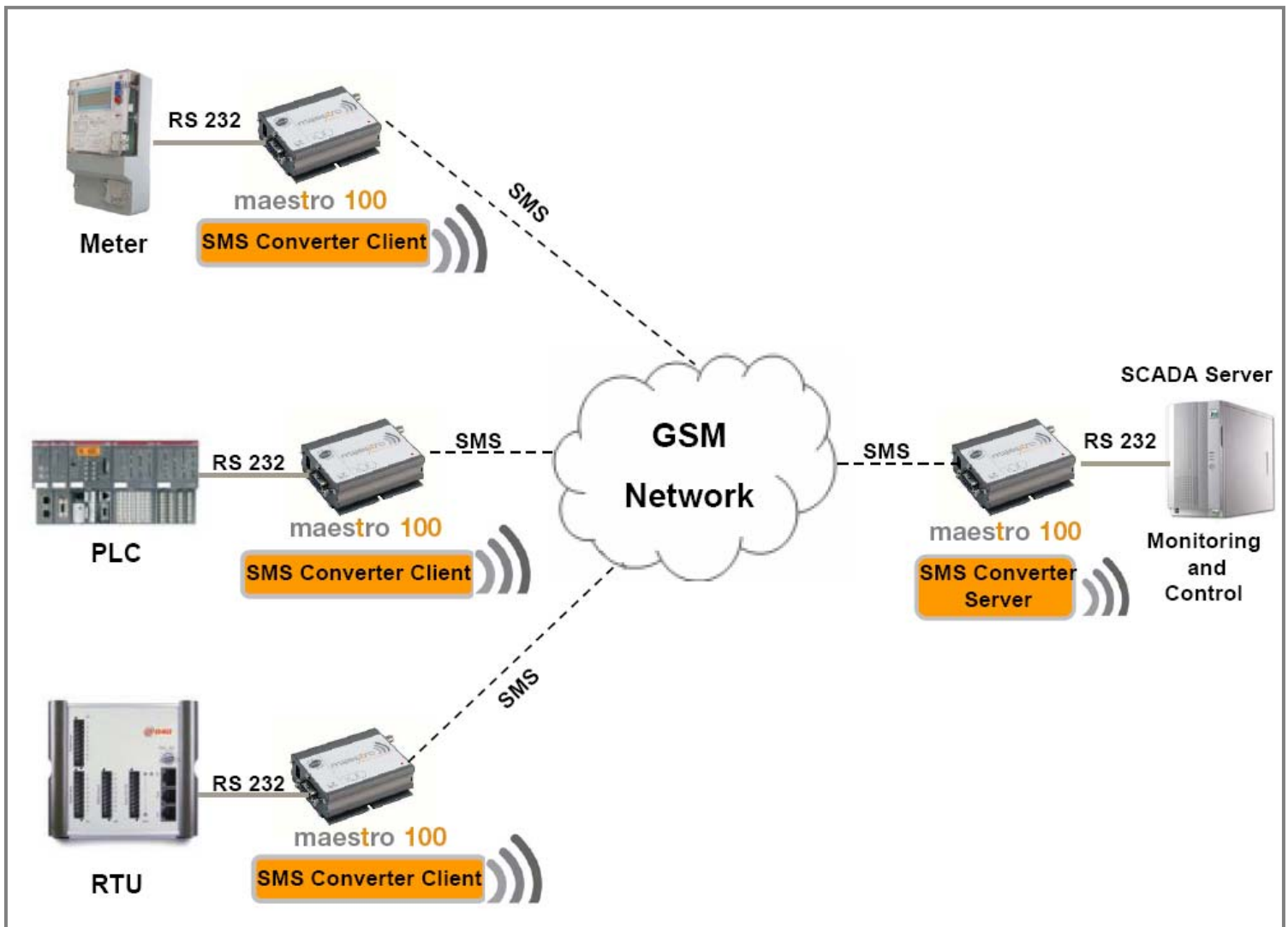


OVERVIEW:

Traditionally the data at the remote site are gathered on a regular basis using dial-up GSM modem. The dial-up method is time consuming from the numerous remote sites.

Maestro SMS Converter is an alternative **solution** implemented **using SMS** as the transmission means to transfer the data

Maestro SMS Converter is an **embedded firmware** which **converts serial data to SMSs** and send it to the appropriate sites. The conversion from serial data to SMSs and vice versa is built into the Maestro SMS Converter firmware without the need of an external intermediary device.





HOW IT WORKS:

- The application efficiently **converts serial data into SMSs** and back SMSs into serial data.
- **Data are compressed** to minimize the number of SMS that need to be sent.
- The SMSs are encrypted to prevent unauthorized usage of the application and to secure data transmission.
- If more than one SMS is required, it will be **divided into multiple SMSs**. They will be next **reconstituted** at the receiving end to **reproduce** the raw **original data packet**.

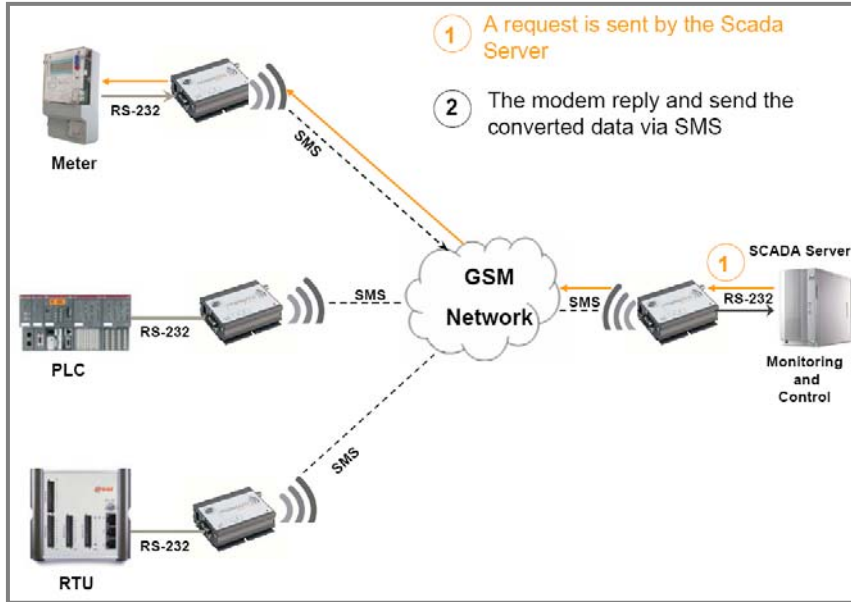
FEATURES:

- **Compatible with numerous standards SCADA protocols** such as Modbus, DNP3.0, IEC ...
- The **configuration parameters are stored in non-volatile memory** of the modem.
- **User Friendly Graphical User Interface (GUI)** for configuration, downloading and saving.
- **Easy to configure** – setup within minutes. The configurations parameters can be saved and downloading into other Maestro modems with the Superior SMS Converter application inside.
- **Independent of the attached devices** – can be PLC, RTU, meters, data loggers, etc.
- **Ideal for application with low to medium data traffic** where non time-critical data communication are acceptable.
- Up to 31 devices to one Maestro 100 client through RS485.
- Up to 20 Maestro 100 clients per Maestro 100 server.



TWO CONFIGURATIONS AVAILABLE:

- **Polling method** from the server.

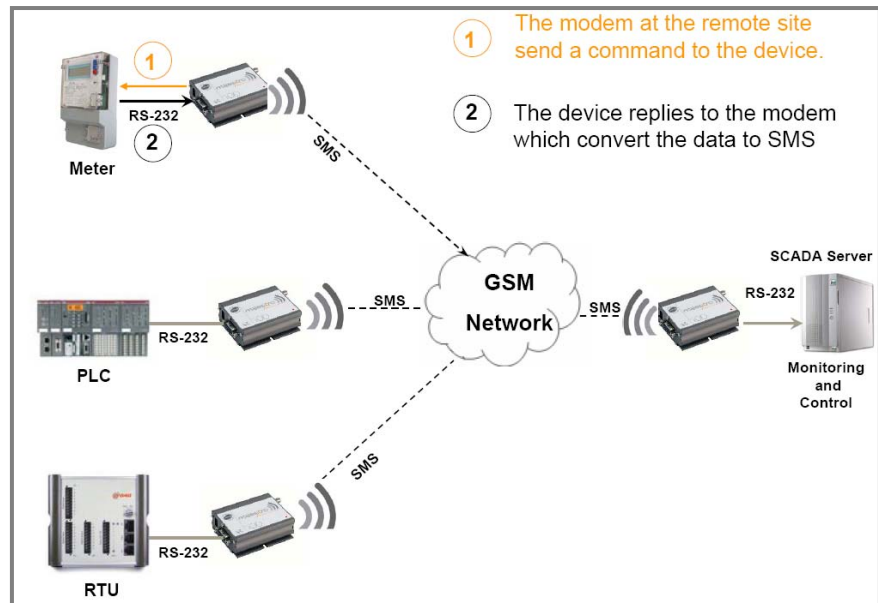


This configuration can be set up on all SCADA protocols and is totally transparent.

- **Pushing method** from the remote site with embedded command in the modem.

In this configuration the Maestro 100 at the remote site acts as a master.

Customization is required for specific protocol.





ADVANTAGES AND BENEFITS:

- **SECURITY** in communication thanks to **encryption**
- **Configuration specific to your system** are stored in text format for easy-retrieval
- **COST-EFFECTIVE** because the solution is inside the Maestro modem and act as a “Master”. Moreover, **no external intelligent devices are needed**
- **COMPATIBLE** with **existing or new field devices**, numerous SCADA protocols and with most GSM networks worldwide.

