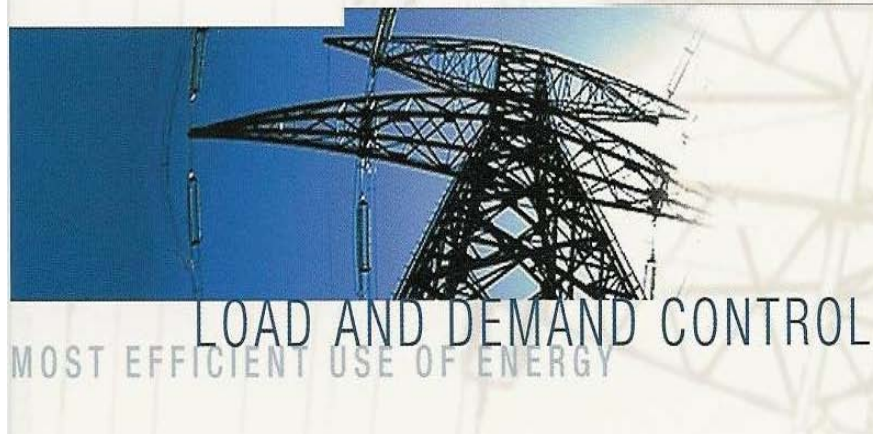


Skalar

Smart Metering

The Power of Smart Metering



A Multifaceted Platform for *Energy Information*

Automatic Data Collection

Email Alarms and Messages

Visualization

Event Scheduling



Upload Data to the Internet

Sub-Metering

Task Management

Totalization



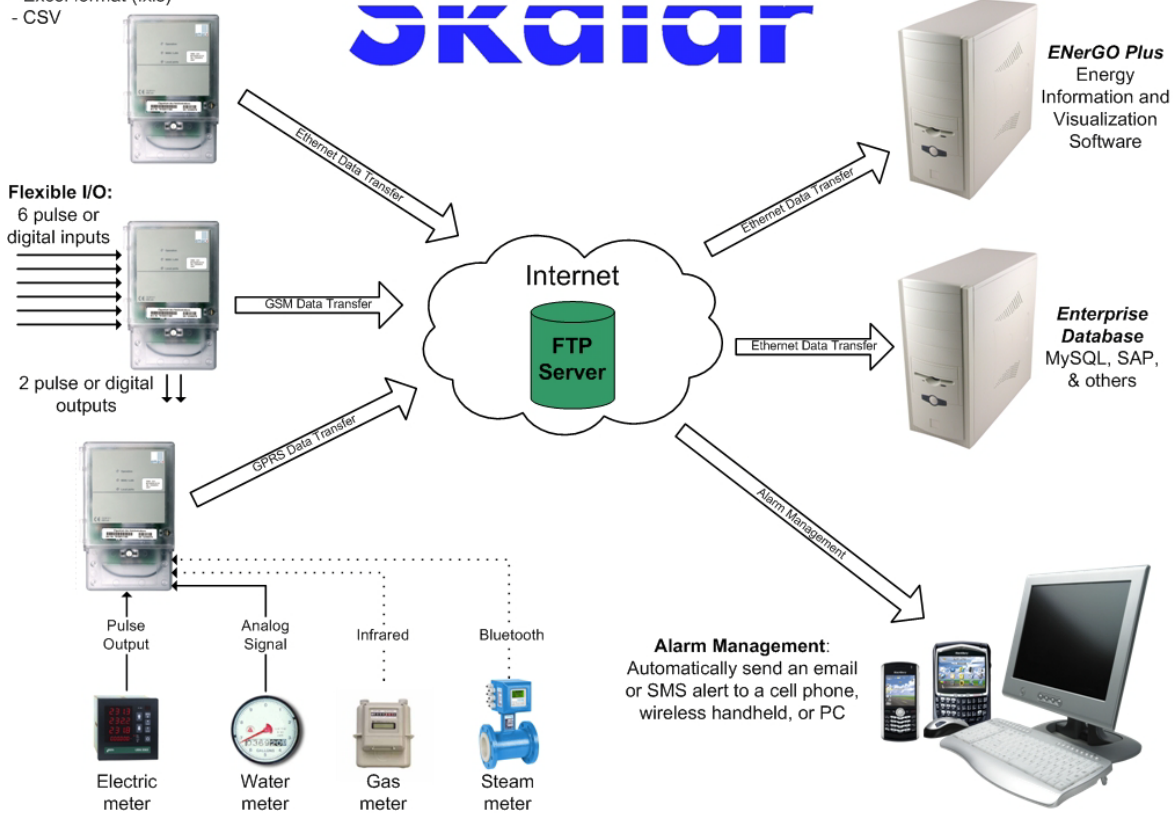
System Architecture

File Structure:
 - LPEX
 - Excel format (.xls)
 - CSV

Flexible I/O:
 6 pulse or digital inputs

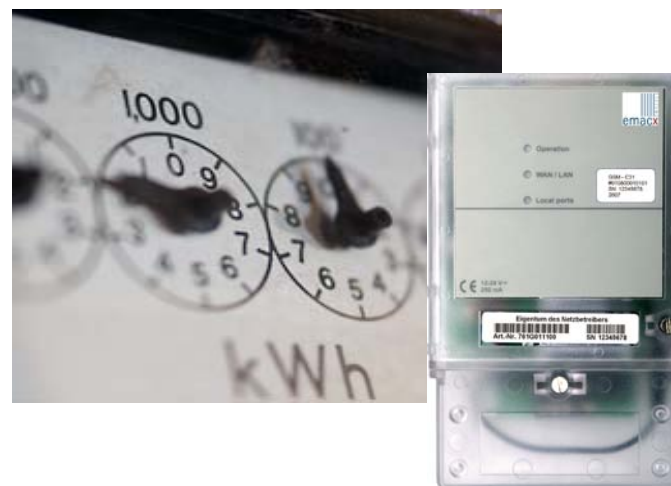
2 pulse or digital outputs

Skalar



A “Least Cost Metering” Solution

- No telephone lines required to read meters
- Analysis, filtering, standardization, and conversion take place internally
- Uses existing Ethernet infrastructure to “push” data to the Internet
- Powerful, low cost device
- Small footprint and minimal installation cost



High Speed Data Transmission

Choose between integrated:

- **Standard Ethernet TCP/IP interface to utilize your existing IT network**

OR

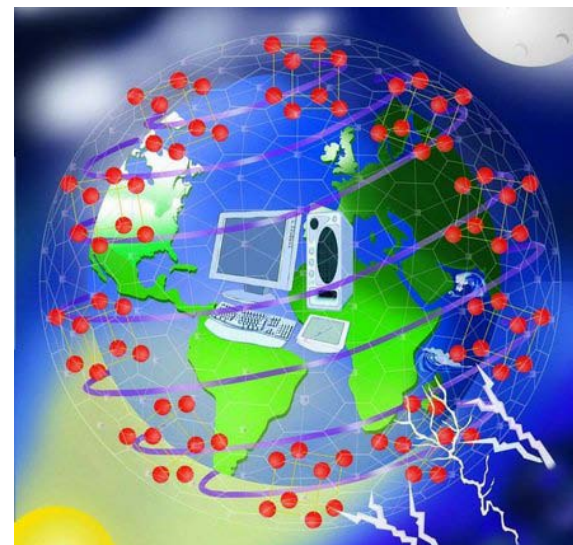
- **Wireless GSM/GPRS modem to access isolated or remote meters via mobile data network**



Automatic Data Collection

A Web Based Solution

- Data automatically uploaded from Skalar devices to FTP server
- Access live data from any computer via the Internet
- Allows for multiple users to access metering data



Powerful Computing

- Integrated 32-bit microprocessor
- Flash Memory for non-volatile data storage
- JAVA based software engine
- Upgradeable firmware
- Additional application installations
- Multiple I/O port configurations

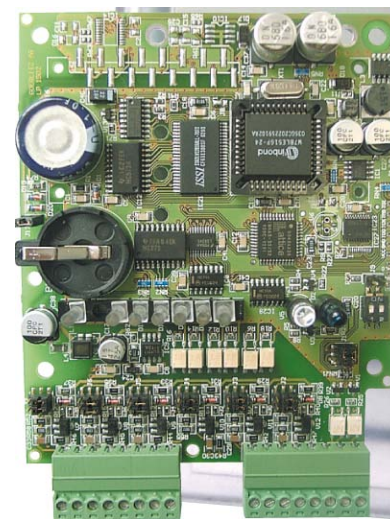


Flexible Metering

Connect up to 6 meters to one Skalar device

Input types: (6) pulse inputs, voltage or current signals, infrared (IR) input, RS-232, RS-485, plus standard metering protocols

Output types: dual pulse outputs, analog to frequency, 10Base/T standard Ethernet, GSM/GPRS wireless



PRM62 I/O Board

Stay Informed with *Email Alerts*

- Skalar sends customized alerts based on kW limits, error alarms, etc.
- Instant notification via email or SMS
- Stay informed while you are away
- Fix small problems quickly before they become bigger ones



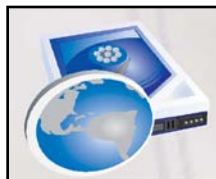
Embedded Software Applications



Skalar.mail



Skalar.online



Skalar.ftp



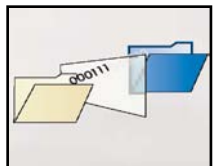
ScriptStudio



LCMpackage



Skalar.zip



FileConverter

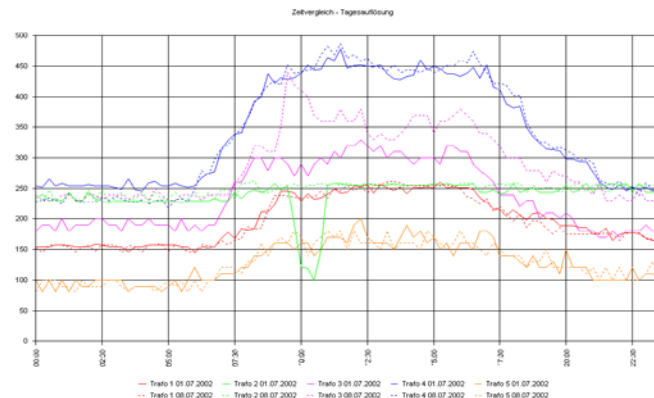


DeviceBuilder

Software Packages

GEMS

- Basic visualization software
- Create charts and graphs from energy data



ENerGO Plus

- A complete *Web-based* energy information package
- Advanced data visualization, trending, and analysis
- Monitor usage statistics and perform facility benchmarking
- Supports enterprise database integration

A Groundbreaking Smart Metering Device

- Real-time Multitasking Metering System for Facility Data Collection (RTOS)
- Minimize Infrastructure by utilizing your existing IT network architecture
- Lowest engineering cost vs. other products 50% less
- Superior Functionality
- Highly Flexible and Adaptable
- Cost Effective and Economical

