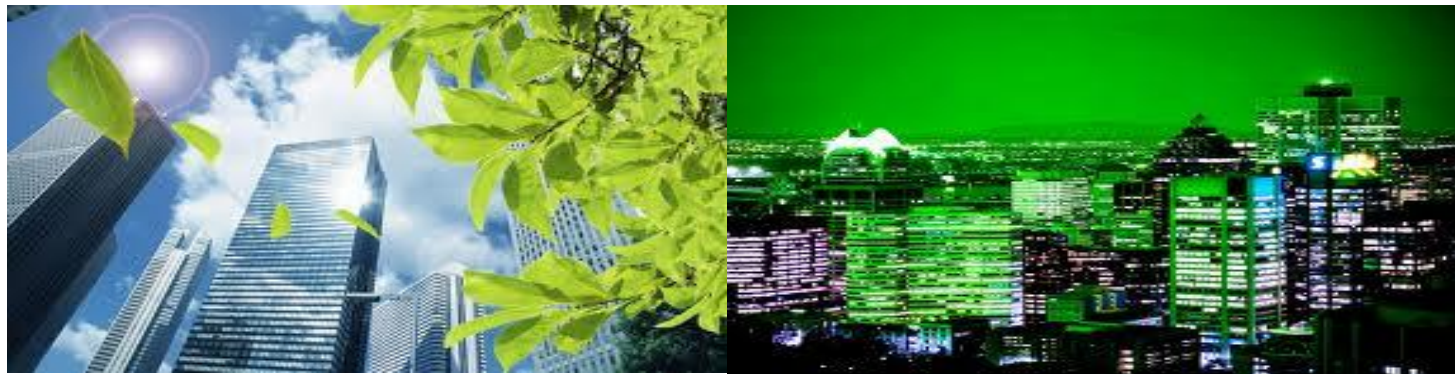


ENERGY MANAGEMENT SOLUTIONS

Your pathway to better energy management

Multi-Energy Advanced Metering | Personal Energy Management | Network Management



Energy Management Solutions

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GOLDENVIT is **System Integrator and Service Provider** for smart grid and energy management projects dealing directly with largest manufactures from US and Europe.

Our strategy is to deliver services designed specifically for each project, tailored exactly to the needs of local utility customers and consumers.



- ✓ We help energy clients to better understand their energy use and assist them to manage it in a smarter way to save energy and money, to make analytical and strategic business decisions, to optimize assets and take advantage of free market opportunities.
- ✓ We advise on power management tools designed to help to analyze the energy usage, to maximize competitiveness, increase reliability, streamline operations and improve service.
- ✓ Our systems are intelligent, allowing utilities and their customers to access a constant stream of valuable information, facilitating immediate reaction and enable real-time business solutions.
- ✓ We support our clients with business solutions and services to maximize the value of their advanced metering and data communication investments

Our Portfolio

Energy Measurement Products and Management Solutions

Advanced Metering Infrastructure

One-stop-shop range of hardware, software and proven communication technologies all linked into a seamless Advanced Metering Infrastructure for multi energy solutions

Smart Grid

Making the smart grid vision real by linking demand response options, time-of-use and critical peak pricing with load control, disconnect and customer notification technology

IT Systems and MDM solutions

IT systems for the acquisition, evaluation and processing of metering data; Hardware, Software, turnkey projects, end-to-end solutions and ASP services

Personal Energy Management

Real time transparency regards consumption, cost and environmental impact; Load shedding devices and load management solutions to manage demand response

Communication Technology

Communication solution in PLC, PSTN, GSM/GPRS, Zig-Bee or radio-mesh to ensure reliable integration of metering point into Advanced Metering systems

Electricity Meters

World class range of meters for all segments with and without communication; High precision meters for grid metering; extended functionality

Gas Meters

Conventional and electronic gas meters; Offering a variety of communication and billing methods

Heat& Cold Meters

Heat and Cold meters with ultrasonic technology for superior measurement accuracy and longer life; Easy integration into multi-energy AMI

Benefits of Smart Metering Systems

- **Energy Savings.**

Better use of electricity, heat, gas, water and other liquids. When consumers get an incentive to use less energy during peak time use, less electricity needs to be produced. Normally at peak usage times, expensive coal and oil fired power stations are used to keep electricity supply stable so there will be less need for these extra generation.

- **Environment.**

At peak times not only does the price peak but so do greenhouse gas emissions and pollution's. Using energy in smarter way will have a less negative impact on the environment.

- **Reducing theft.**

In some areas, theft detection and prevention is one of the single biggest aspects driving the move toward AMM. Significant losses are seen every year due to increasing theft, and an AMM solution inclusive of distribution asset management and threshold monitoring for usage provides the utilities with a valuable tool in eliminating, or at a minimum greatly reducing these losses.

- **Increased Data Security.**

Automatic meter reading provides increased performance in the data collection. You avoid reading errors and missing meter readings. Reading data automatically also provides increased security of data flow between the AMM system and other applications. Avoiding manual data entry or manual data transfer a potential source of error is eliminated

Benefits of Smart Metering Systems, continued.

- **Improved cash flow budgeting and management.**

With automatic meter reading utility bills are based on actual consumption. This generates a steady cash flow. Billing is based on real-time data and estimated bills are no longer necessary.

- **Reduced operation costs.**

With automatic meter reading you have constant access to real-time data and have meter readings available on request. This helps you handling customer complaints. Readings in connections with med move-in/move-out are done easier and faster and even retroactive, should a customer forget to notify change of address in due time. Costs for meter reading will be reduced and thereby total costs of operation.

- **Reduced cost over the life time of the AMM system.**

The financial benefits of automatic meter reading last over the lifetime of the AMM system.

- **Improved customer service.**

With accurate utility invoices there is no need for estimates or adjusted billing. Demand reads can be done as part of the customer service. You can react quicker in abnormal situations and monitor demand and consumption closely. And you strengthen your image with the consumer as a reliable partner within energy supply and energy billing services.

Energy Management Project Cycle



Real –time Metering

- Remote controlled utility meters
- Continuous measurement of energy consumption:

- ✓ Electricity
- ✓ Heat/Cold
- ✓ Water
- ✓ Gas

Data Communication

- Electricity network, PLC
- Broadband
- Radio
- GPRS
- GSM
- Cables(signal, optical)
- Telephone lines
- Paging
- Satellite
- Others

Data management

- Computer database with user-friendly software
- Computation of meter values
- Data directly fed into companies business information systems (oracle, SAP, etc.)
- Data processing and analyzes
- Secure web site allows end-customers to view and analyze their energy usage over internet

Business Solutions

- Control and better use of electricity, water ,gas and heat/cold consumption
- Rationalization and cost savings
- Control and improvement of business processes, engines, etc.
- Optimize assets (improved investment and capacity planning)
- Improve service (better customer relations, improved billing, etc.)

Why To Choose Us ???

✓ Our Products & Services !

We offer you a wide range of energy management services based on our in-depth knowledge and understanding of your business. . We plan and design an optimal solution to meet your energy management and process improvement needs.

Whether you need the latest smart metering and network technology or personal energy management tools, we give you access to a complete range of advanced multi-energy products and systems.



Our Software !

Our applications cover energy reading, controls, system operation and value-added data management such as validation, tariff and profile calculations.

Developed in an open architecture for ease of integration with existing utility software and data management systems, our software systems provide operational control for your networks. Analysis can be tailored for use by billing, finance, customer service, operations, distribution planning and engineering departments. Multiple integration partners and cross-platform functionality ensure our software will seamlessly integrate into your entire business.



We give you the Power !

In an ever-evolving communications environment, **we give you the power to control distribution system components; offer dynamic, real-time system updates; and verify demand response.**

Contact Us !

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