

AAT 8800 EICS Platform

Energy Information and Control System

The Energy Information and Control System provides AMR and Energy Management functions on a single unified platform for electricity, water and gas services.

The EICS provides:

- Automated Meter Reading (AMR)
- Load Management
- Demand Response
- Outage Management
- SCADA Lite

Advanced Energy Management Solutions

The EICS is the heart of Advanced AMR's wireless AMR and Energy Management system. It collects, collates, and analyzes real time energy data to monitor, measure and control energy usage using the following functional modules:

- AMR Plus
- Energy Management
- Billing Analysis
- Web Reporting
- Wireless Network Management

AMR Plus

Advanced AMR provides the most cost effective solution for AMR with the additional functionality of Outage Management, On-Demand meter reads and remote connect/disconnect. Meter data is received quickly, accurately and automatically in real time 15-minute intervals, providing an immediate, detailed view of energy usage and revenue losing outages.

The 2-way communications can request on-demand meter reads or send remote connect/disconnect signals. Knowing the status of each and every meter in your system reduces service and maintenance costs while providing responsive customer service. Energy usage data

Electricity used:		Cost of electricity	
Meter:	00010011	Customer:	Read charge (on 348.64 charge Peak KW) \$ 5.53
Total usage:	10328.5800	Distribution Demand Charge:	From 0 Peak no charge (on 548.64 KW) \$ 0.00
Peak demand:	548.64 Peak	Distribution Energy Charge:	From 0 KWH 0.035300 x 2500 KWH \$ 88.25
Date:	1090518300	From 2500 KWH 0.012400 x 7500 KWH \$ 93.00	
		From 10000 KWH 0.005760 x 328.58 KWH \$ 1.89	
		Transmission 0.031890 x 10328.58 KWH \$ 328.28	
		Transmission 0.007370 x 10328.58 KWH \$ 76.12	
		Renewable 0.001000 x 10328.58 KWH \$ 10.33	
		Energy conservation 0.001100 x 10328.58 KWH \$ 11.36	
		Delivery Services total	\$ 635.42
		Supplier Services	
		Generation 0.035000 x 10328.58 KWH \$ 361.50	
		Total Supplier Services	\$ 361.50
		TOTAL	\$ 994.92

Charges are subject to 1.18% interest after 25 days

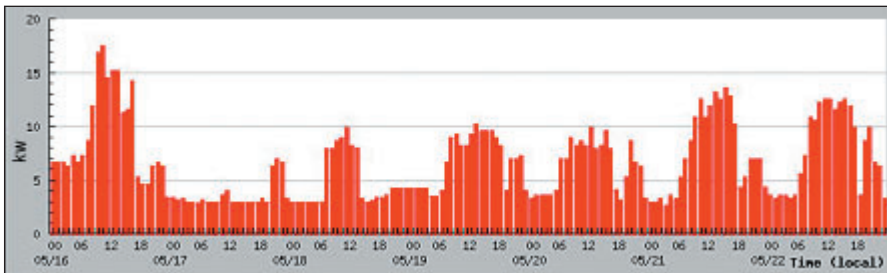
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Online Billing and Analysis

can be exported to most popular billing programs. With Advanced AMR it not just AMR...but AMR Plus.

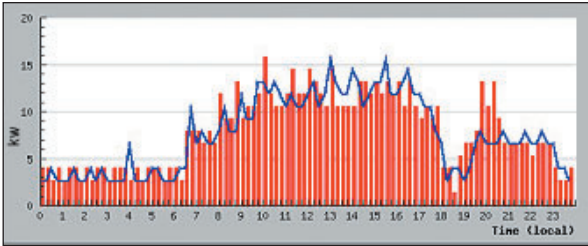
Energy Management

The EICS platform provides innovative tools to control and manage energy usage in real time. Real time data can be used to respond quickly to reduce energy usage during periods of peak demand or peak prices. Two-way wireless communication means remotely monitored devices can be turned on/off to reduce loads and reduce costs...when it counts.



Real Time Energy Data

AAT 8800 EICS Platform



Comparing day before/day after data from a single meter

Billing Analysis

Real time, 15-minute interval meter data provides more timely and accurate information for 'what-if' billing analysis. In particular, this analysis software allows customers to analyze energy usage patterns or compare pricing programs (such as for Demand Response programs) to better manage energy costs.

Web Reporting

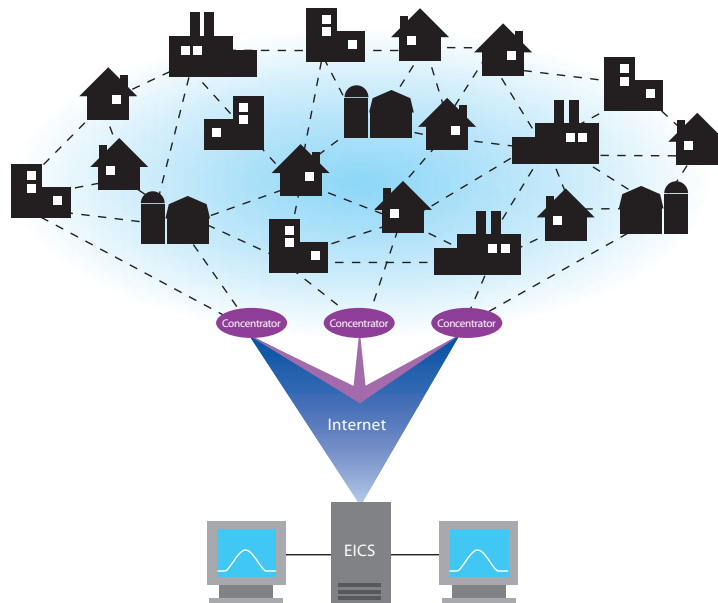
The EICS platform collects energy information and displays it via the Internet with secure access. It allows instant access to energy usage information by anyone authorized, anywhere, anytime with an Internet browser. It allows the immediate display of the impact of energy conservation measures put into place rather than waiting for the next month to view the impact and make additional changes.

Network Management

The EICS platform manages the AAT 2-way wireless mesh network of remote monitors and wireless concentrators from a central location. Network Management functions includes grouping collections of meters for reading, affirming network integrity throughout the meter network, providing system warnings and alerts to problems in the network, and generally maintaining control and service to the meter monitors and control devices from the EICS platform.

SYSTEM SPECIFICATIONS

- Recommended 2.0 GHZ or higher Pentium 4, or AMD Athlon, Celeron Processor Speed 1.8 GHz
- 512 MB RAM
- 40 GB Hard Drive
- Tape Drive For Backup of Data
- Recommend RAID 3 or 5 SCSI Configuration
- Standard Keyboard and Mouse
- 14" or larger CRT Monitor VGA 800 X 600 (*Recommend 1024 X 768*)
- Red Hat Enterprise ES 3.0 Basic



About Advanced AMR Technologies: Advanced AMR provides a multitude of AMR and Energy Management functions and services on a single unified platform for electricity, water and gas utility services. Using wireless mesh-to-Internet technology, the system communicates data and control information over long distances by hopping the data through the customer's network of remote energy monitors and control devices at or near the energy meters. The unique advantage to this system, in addition to being a multi-service platform, is that it provides 15-minute interval energy data and control, in real time, over a minimal communications infrastructure network, at a surprisingly affordable cost. The AAT EICS platform provides the most cost effective solution available today for those, including Utilities, Energy Service Companies and Large End Users who monitor, measure and manage energy usage. Advanced AMR products utilize the patented AES-IntelliNet™ wireless mesh technology currently deployed in hundreds of thousands of locations in over 130 countries worldwide.



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