simplify your business

Meter Management System

mms

Energy Economics, Inc.
Enhance *flow* by automating your **Meter Shop**.

The **Meter Management System** from Energy Economics, Inc.
Overview

Administration Station

Shop Stations

Energy Economics, Inc. (EEI)
Our **Meter Management System (MMS)** is designed to collect and report the information you need to manage a utility meter shop. Although every utility has unique data management requirements, MMS has the flexibility to integrate seamlessly with your business.

Our Data Acquisition System (DASY) was originally designed in 1985 to collect data from gas meter provers and eliminate the need for manual meter cards.

**Today,** MMS has been expanded to include a multitude of increased functionality, as well as support for electric meter shops. Increased functionality includes relational database support, productivity reports, meter tracking, repair bench programs, barcode printers and scanners, the ability to interface with third party test equipment, networked PCs in a client-server environment, and communication in batch mode or real time with mainframe systems. MMS for your shop will include some or all of these features, and of course, our feature list continues to evolve as we respond to customer needs and as new technology becomes available.

Most users find it useful to collect meter information throughout the meter shop and produce specific reports on productivity and meter location. Collecting, storing and reporting information is a task for a relational database. The heart of MMS is the server where the meter database resides. MMS can provide tracking information by reporting where a meter was last processed (check-in, as-found testing, repair bench, leak test, as-left testing, check-out, etc.) Other reports provide information about shop production by meter type, prover operator, repair operator, date, and more.

MMS utilizes a relational database that is initially populated with your legacy data. It can stand alone or communicate with your legacy system using a real-time connection, or scheduled batch process, based on customer needs.

- Integrated Sonicnine Interface
- Annual Random Sampling - ANSI/Mil Spec Standards
- Periodic Mileage Selection
- Enterprise Application Connectivity
- Relational Database Driven
- Electric Meter Support
- Barcode Support
- Enhanced AMR/Instrument Tracking

The main objective of MMS is to automate the process of collecting information as a meter is processed by the meter shop. However, other important benefits include improved information availability, data integrity, productivity reports and meter tracking.

As you can see, MMS is a very useful tool designed specifically to provide you with the information you need to efficiently manage your meter shop. Seamless integration between our Sonicnine prover and MMS gives your meter management team a win-win solution.
**ADMINISTRATION STATION**

**User Actions**

- **View or Edit**
  - Meter information
  - AMR information
  - Instrument information
  - All MMS Tables

- **Attach/Detach To or From a Meter**
  - AMR
  - Instrument

- **Add/Retire Meters, AMRs or Instruments**
  - Via flat file from manufacturer
  - Via batch mode

- **Random Sample or Evaluate New Meters**

- **Select Online Meters for Annual, Periodic or Mileage Testing**

- **Multiple Report Options with Configurable Parameters and Filters**
  - Test Results Report
  - Repair Report
  - Sample Meter Report
  - Meter Status Report
  - Service Order Report

- **Add Pallets**

- **Generate Barcodes**

- **Generate Meter Cards**

- **Batch Proof Data Upload**
  - A method to upload files containing Test results
  - Flat file based
  - Multiple formats supported including:
    - EEI Prover Layout
    - MMS Standard Layout
    - Snap/Roots Prover Layout

- **Inventory Reconciliation**
  - A method to take inventory of a service center

- **Manual Test Input**
  - A method of manual data input from meter cards
SHOP STATIONS

Features Common to ALL Shop Stations

- Enter Meter by hand or scan via barcode
- Display Meter Information for Review
- Editable fields contain a White background
- Disabled fields default to a Green background
- Update Meter Data (e.g. removal code, index reading, etc.)
- Retire Meter
- Print Meter Barcode

Receive Station
Purpose: To initialize a meter for testing and/or repair
- Once Saved, the Inventory Status for the meter changes from 'Online' to 'Received'

In-Test Station
Purpose: To capture the in-test results for a meter and classify the repair
- Test data from a prover is collected and a repair code is assigned

Repair Station
Purpose: To collect repair information for a meter
- Parts used in the repair can be listed and attached to the meter
- The repair code can be reassigned based on the repair

Adjust Station
Purpose: To capture the final or adjust test results for a meter after the repair
- Test data from a prover is tested and classified
  - If within company tolerances, test is accepted
  - If outside company tolerances, meter is adjusted and retested
- Once Saved, the Inventory Status for the meter changes from 'Received' to 'Available'

Stock Station
Purpose: To palletize meters and transfer pallets to service centers
- Add or Remove meters to or from a pallet
- Transfer pallet to another service center
- Print meter, pallet or index barcode
- Print meter card for ALL meters
- Print Bill of Lading for a pallet
History
In business for more than 30 years, Energy Economics, Inc. has developed a rock solid reputation for delivering quality products and services to its customers. Located in Southern Minnesota and servicing a nationwide account base, EEI has consistently provided industry leading solutions to the utilities market.

Facilities Management
Utilities across the country face a variety of new and challenging issues: Mergers, Downsizing, Operator Qualification, Loss of experienced personnel, etc. Confronted with the demise of “traditional” meter shop management, some of our clients have chosen to outsource the management of their meter shops and other associated functions to EEI. This partnership has both simplified their business and budget processes, and produced significant cost savings and production efficiencies.

Measurement Products and Services
EEI manufactures PC Bell Provers® and Sonicnine Sonic Nozzle Provers®. Our full service meter shop repairs domestic and commercial meters. EEI manufactures the HP 3000, the industry’s only high-pressure diaphragm meter capable of measuring flows at pressures up to 1500 p.s.i. The measurement products team also provides on-site testing and calibration of commercial gas meters.

Data Systems
The Data Systems group specializes in the delivery of mission critical software applications that provide every functionality required by the utility industry. MMS (Meter Management System), and GCS (Gas Compliance System) are the group’s flagship products.

Corrosion Control
This division provides general corrosion control (CC), materials, installation, consulting and engineering. The CC group installs cathodic protection systems for pipelines, gas utilities, storage tanks, and other underground infrastructures. CC also performs cathodic protection surveys, gas leak surveys, and certifies cathodic protection systems for federal compliance. EEI is also a manufacturer of high potential magnesium anodes, rectifiers and deep anode system materials. Field personnel are Operator Qualification Certified for the task they perform, and we also have NACE certified staff available.
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Experience  Agility  Knowledge