



شركة المستقبل لتكنولوجيا النظم (فيوتك - سيستمز)  
The Future for Systems Technology Co. (FuTech - Systems)

## Maximo Data Services



**maximo™**



**2011**



## Assets Survey with Task Linking & Balancing

Our Assets survey enables customers or the Maximo implementation team to generate a complete coded file of the maintainable Assets, building systems, activities and tasks that feed your new EAM / CMMS system. We will develop an Intelligent Coding System assuring that all assets are named in a way that makes sense to all users and provides for better reporting. The following information is obtained about each item and its location during the Assets survey process; Name and address of the manufacturer of the entire item (not just the motor), motor data (voltage, cycles, number of phases, current rating, rpm, horsepower, frame size, and service factor), heating/cooling data, existing tag number, location and location type, and if necessary, location of the tag on the item, all visually discernable OSHA 1910 and other hazards and warnings and any obvious defects in building system or Assets items observed during this survey. Maximo then enters the data, links the appropriate Preventive Maintenance Procedures, develops new PM Procedures as necessary and develops a balanced schedule to optimize labor usage.



## Why Outsource Data Collection?

Industry experts claim that between 40% and 70% of Asset Management Software implementations fail. One of the primary reasons for this high failure rate is “bad data”. Many organizations will send their already overburdened staff out to collect asset data without considering the time it takes an inexperienced person to gather the data, what specific data to collect or how they should “code” their data.

Studies have shown that it can cost as much as \$100 per asset to properly build the asset portion of the database in-house. When deciding whether to outsource data collection, consider whether your organization has the time and expertise to: determine a coding structure, determine what data needs to be collected, train the data collector, collect the data, enter the data, print and affix the barcode tags, develop, enter and link the PM procedures, and balance the schedule. Is this the best way to utilize your labor resources?

**COMPLETE SOLUTIONS FOR YOUR CMMS/EAM NEEDS!**



## Capabilities

Maximo is the most capable firm in the industry at not only tagging Assets items, but also tagging the location of these items. The Maximo Survey Team uses hand-held computers to gather pertinent information from each piece of Assets. Information such as location, manufacturer, model and serial number, brand name, type, size, class, existing asset number, motor information, obvious hazards, and general condition of Assets are entered into the hand-held computer. This data is then downloaded to a PC where it is reviewed, corrections made and barcode tags generated to be placed on the Assets. Using our copyrighted software and state-of-the-art hardware, the Maximo crews are three-to-four times faster than rivals still using paper forms. Not only is our system faster, it is twice as accurate since the “rules” of the client’s database are downloaded right to the handheld. Duplicates are avoided, bad records are eliminated and tagging items or locations with building codes that don’t exist becomes impossible resulting in a nearly flawless database in half the time.

When the survey is finished, the client has a complete database of maintainable items linked to the appropriate preventive maintenance (PM) schedules derived from industry standards. These PM schedules are balanced over a 12-month period to eliminate any peaks and valleys that could impact your labor scheduling. With Maximo's asset/inventory survey service, turnaround and implementation time are greatly reduced.

## Barcode Labels and Tags

Identifying your Assets in a maintenance environment requires more than a paper label or magic marker on the side of the asset. Asset identification tags from Maximo are a long lasting solution to identify and track your assets in any environment. Use **FuTech – Systems**

“**MAXBAR**” Solution to Bar-coded asset tags & Inventory Items which greatly facilitate the ability to utilize a paperless work order solution & Item Pickup/ Count. Maximo mobile Work/ Inventory Solutions runs on a barcode-enabled Pocket PC and uses the barcodes to identify assets, parts and inspection points. On average, Maximo mobile Solutions save 7 minutes per work order. ROI is easy to calculate.



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## Asset Criticality Assessment

Maintenance Expenditure defined based on Asset Criticality & Work Priority

❖ Asset Criticality defined based on the following :-

- **Asset Type.**
- **Area Impacted.**
- **Production Loses.**
- **Recoverable Production.**
- **Unrecoverable Production.**
- **Environmental/Safety Impact.**

## Additional Data Collection Services - Inventory Survey

Maximo will count and organize all parts, implement a coding system, label RABS (Rows, Aisles, Bins & Shelves), load your data, link to Assets and Vendors, reconcile count and value, set Reorder Quantities and report on surplus. Let Maximo clean up your storerooms and properly implement the Inventory portion of your CMMS/EAM.

### How It Works

- ✓ **Data Collection** : Data Collection team use a data Gathering Sheets (DGS) Designed Especially for Maximo Data Collection, these sheets are compatible with **FuTech – Systems** Data Loading Tools “**MAXLOAD**”



- ✓ **Data Verification** : Data Verification Processes runs using Data Loading

Tools “**MAXLOAD**” and consists of three main processes

- **Data Validation**, which Validate Data Gathering Sheet (DGS) data content with Maximo database configuration.
- **Data Redundancy**, which check DGS Data duplication within the DGS or with Maximo Database.
- **Data Integrity**, which checks DGS Data relationships, ensuring data engineering required for Maximo Applications.

- ✓ **Data loading**: once data verification process completed and data ensured cleaned Data uploading take place and start inserting data to Maximo Database. Running Maximo Application and conducting process test is a final stage to ensure that Maximo Application runs using the new data without any error.



## About FuTech – Systems

**FuTech - Systems** is a privately held of end-to end comprehensive software solutions for the infrastructure lifecycle. We believe in the vital role that infrastructure must play both in sustaining society and in sustaining the environment. **FuTech - Systems** Provides proven applications & Services that help engineers, architects, contractors, governments, institutions, utilities and owner-operators design, build, operate & maintain more productively, collaborate more globally and deliver infrastructure assets that perform more sustainably.

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