# Real-Time™
# Public Safety and Communications Asset
# Lifecycle Management

www.mcmtechnology.com

# What Results from Lifecycle Management?

The first is **ACCOUNTABILITY OF ASSETS**

MCM software provides you with an accurate, real time, and up to the minute picture of where every asset is, who has it, and how it is being used. If you have 5 million assets, you know where all 5 million assets are.. *right now*. Then, imagine turning that image sideways so you can see the history behind each asset. With our software, you will see a record of every location and caretaker since it's inception into the system. In addition, when the asset needs to be sent for repair or moved between departments the MCM system will track its location in real time.

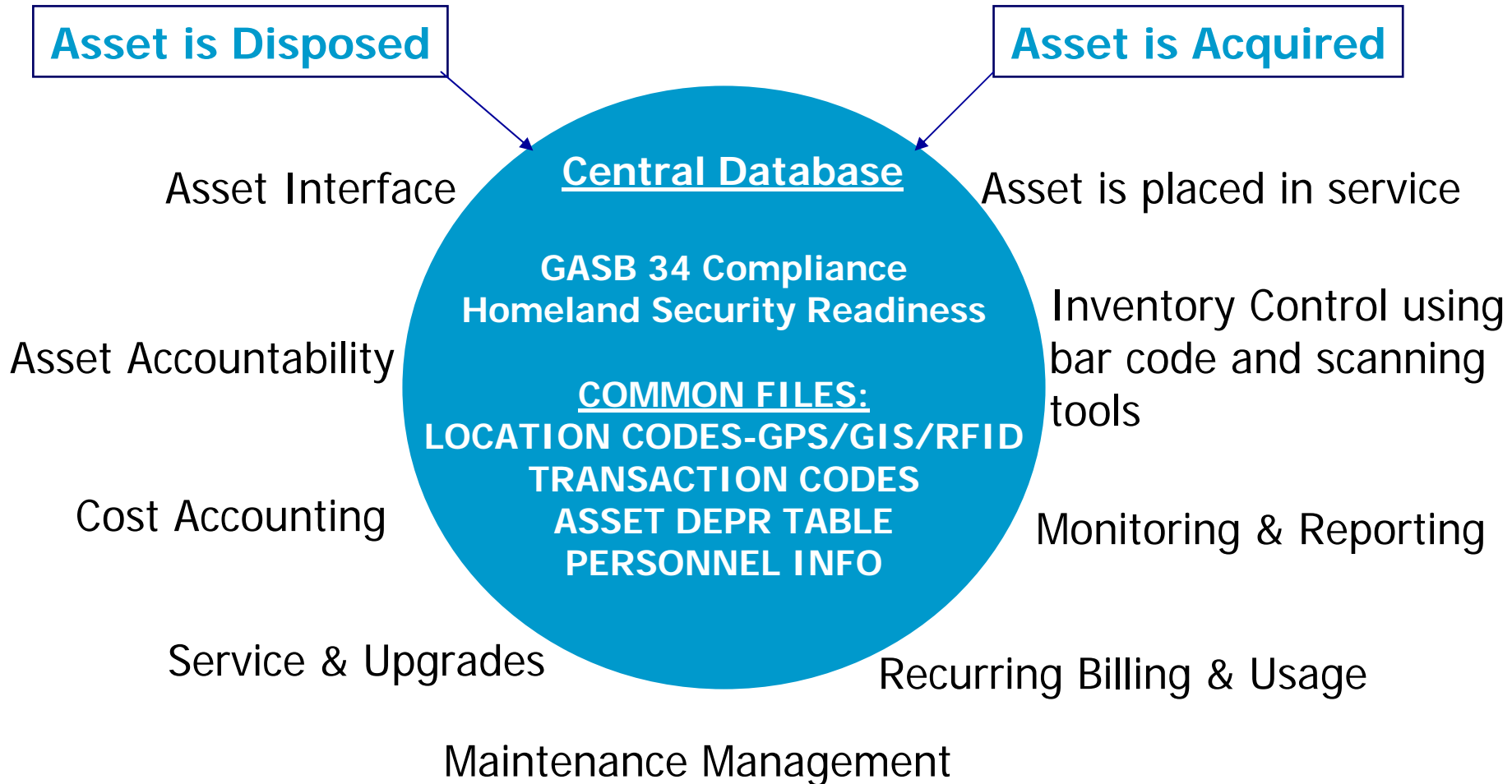Next is complete control over **SERVICE AND INVENTORY**

Everything it takes to keep communications assets in service is something we make easier. We produce seamless work orders. We maintain multi-location inventory and automatically reorder parts. We maintain warranty control over items and systems, and we insure a proper work order ticket follows the item as it moves in and out of departmental control, or to and from vendors. We do all that automatically. Multi-location inventory control and parts reordering is fully automated. We support handheld readers and signature capture devices to make the process more accountable, efficient, and cost effective.

And finally the Lifecycle Management is the ultimate tool to effect **COST CONTROL**

MCM software is accurate to the penny when it comes to tracking costs, assigning billing responsibilities, controlling vendor pricing and interfacing with financial management software. Often running in the background, MCM Communications Asset Management Software is giving communications and maintenance administrators a host of new choices and strengths. On a day-by-day basis, we are there protecting your department from surprises that effect your budget or put your reputation at risk.
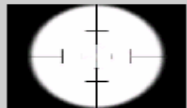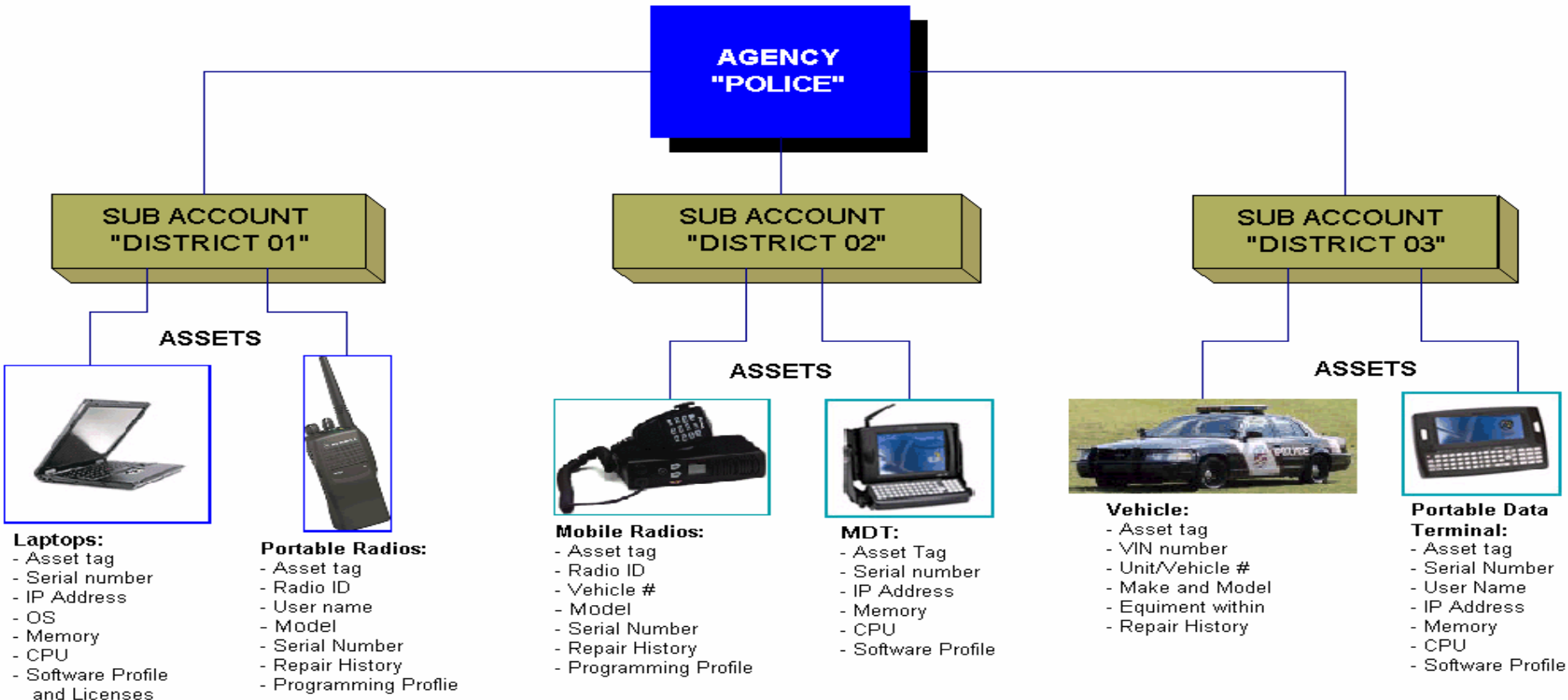
# What Is Real-Time™ Public Safety and Communications Lifecycle Management?

**Asset is Disposed**

**Asset is Acquired**

Asset Interface

## Central Database

GASB 34 Compliance
Homeland Security Readiness

COMMON FILES:
LOCATION CODES-GPS/GIS/RFID
TRANSACTION CODES
ASSET DEPR TABLE
PERSONNEL INFO

Asset is placed in service

Asset Accountability

Inventory Control using bar code and scanning tools

Cost Accounting

Monitoring & Reporting

Service & Upgrades

Recurring Billing & Usage

Maintenance Management

# MCM Public Safety and Communications Asset Hierarchy

## MCM Asset Management Hierarchy

**AGENCY "POLICE"**

**SUB ACCOUNT "DISTRICT 01"**

**SUB ACCOUNT "DISTRICT 02"**

**SUB ACCOUNT "DISTRICT 03"**

### ASSETS (District 01)

**Laptops:**
- Asset tag
- Serial number
- IP Address
- OS
- Memory
- CPU
- Software Profile and Licenses

**Portable Radios:**
- Asset tag
- Radio ID
- User name
- Model
- Serial Number
- Repair History
- Programming Proflie

### ASSETS (District 02)

**Mobile Radios:**
- Asset tag
- Radio ID
- Vehicle #
- Model
- Serial Number
- Repair History
- Programming Profile

**MDT:**
- Asset Tag
- Serial number
- IP Address
- Memory
- CPU
- Software Profile

### ASSETS (District 03)

**Vehicle:**
- Asset tag
- VIN number
- Unit/Vehicle #
- Make and Model
- Equiment within
- Repair History

**Portable Data Terminal:**
- Asset tag
- Serial Number
- User Name
- IP Address
- Memory
- CPU
- Software Profile

---

Asset Tracking | Work Orders | Inventory | Handheld Inventory Solutions | Billing | Technician Management | Extensive Reporting | Full Accounting

# WHY IS THE TIMING SO CRITICAL?

MCM TECHNOLOGY'S
PATH TO
MISSION CRITICAL AND HOMELAND SECURITY
EMERGENCY MANAGEMENT PREPAREDNESS

- VULNERABILITY

- ENGINEERING

- IMPLEMENTATION

- READINESS

- DEPLOYMENT

# What Is Real-Time Complex Asset Lifecycle Management?

**First Let's Define a Complex Asset:**

A Complex Asset has:

    Multiple Unique and Searchable Identifications
    Detailed Work Order History
    Warranty and planned preventative maintenance
    Status, Condition and Location
    Frequency Phone Number or Pager Cap Code

Example of what is complex:

        Mobile Two-Way Radios
        Telecommunications Equipment
        Computers, IT Equipment and Software

Example of what is not:

        Desk – Chair – Building – Calculator - Phone

# What else defines a <u>Complex Asset</u> ?

**It can contains other assets.**

A computer contains software

A pager contains a phone number

It often has a warranty with a limited time and specific service requirements.

**For example:**

Radios interact with Motorola or MA/COM radio networks

Emergency Vehicles contain <u>many</u> complex assets

Maricopa County, Arizona is one of the nations largest and most efficient government agencies in the USA.
The Cities of Phoenix, Scottsdale, Tempe and Mesa all reside within the boundaries of Maricopa County.

During tough economic times local and State governments sell bonds to achieve balanced budgets. These bonds are secured by Assets and Equipment within each City, County or State.

While most local and state governments are having trouble locating even 50% of their assets and equipment.

Efficient And Responsible agencies like Maricopa County, Arizona know where 100% of their assets and equipment are at any time of every day using

**MCM Technology**
**Developers of MCM Real Time™**
**Complex Asset Management Software**
**www.mcmtechnology.com**
**1.877.626.6156 toll free**

# Asset Enterprise Products & Services

# Summary Review

## Standard Core Modules included in Asset Enterprise

- *Agency Management*      *(agency database as well as full receivables functions)*
- *Recurring Charges*      *(flat rate recurring or per piece asset reconciliation)*
- *Multi-Location Inventory*      *(multi-location parts and services inventory)*
- *Agency Asset Management*      *(asset lifecycle & work order management)*
- *Purchase Order Management*      *(fully integrated purchase order module)*
- *Revenue & Expense Management*      *(fully integrated g/l distribution control)*
- *R & R Custom Report Designer*      *(ability to create custom reports & exports)*

## Optional Application Modules

- *Signature Capture*      *(electronically capture signatures on w/o's and invoices)*
- *Rapid Physical Inventory PDA*      *(expedite non-serialized physical inventory by PDA)*
- *Serialized Asset Audit-Import/PDA*      *(ability to scan serialized assets with handheld for audit and/or import)*
- *Citrix MetaFrame© connectivity*      *(access your network remotely over the web seamlessly)*
- *Turn-key hardware solutions*      *(turn-key hardware provider - IBM Business Partner)*
- *Pager Billing/Terminal Interface*      *(pager management / paging terminal interface)*
- *SMR/Trunked Radio Management*      *(SMR/Trunked Radio Management / Airtime analysis)*
- *Custom data exports*      *(export generated w/o financials and costing to legacy systems)*
- *Cognos Business Intelligence*      *(Analytical reporting/ Explore the data to uncover financial trends )*
- *GI/GPS Mapping*      *(Geo database for location of assets/Service Demographics and planning*
- CSR Web Portal      *(Allows your customers to access their account information via web)*

## Implementation

- *Pre-Engineering*      *system design and workflow analysis)*
- *Data Conversion*      *(import data from existing databases)*
- *System Application Installation*      *(installation of application and workstation clients)*
- *On-site application training*      *(administrative and clerical hands-on training)*
- *Follow-up on-site training*      *(follow-up training 4-6 weeks after "Go-Live")*

# Real-Time™
# Public Safety and Communications Asset
# Lifecycle© Management

## System Overview

www.mcmtechnology.com

# MCM's New User Interface



MCM is always looking to improve all aspects of our software, and we are currently nearing completion of an entirely new user interface. We are constantly adding new features and expanding our capabilities, and now we are proud to bring a new user interface that makes it easier for our users to navigate through the software.
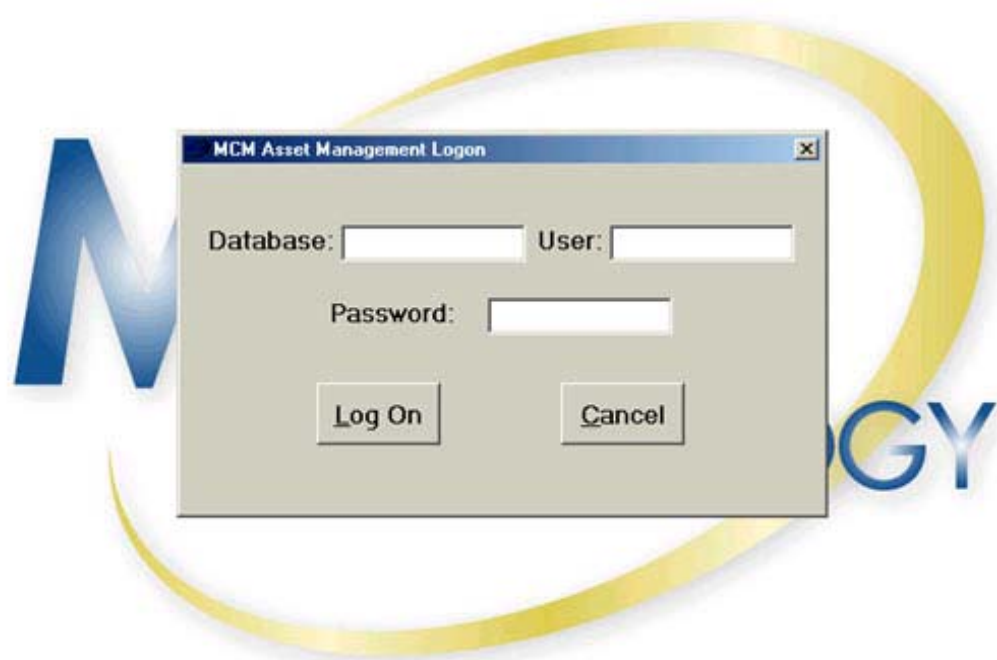
**MCM Asset Management Logon**

Database: [          ]  User: [          ]

Password: [          ]

[ Log On ]          [ Cancel ]

**Agency Account**

Agency Master File
Reconcile AR Open
Cash Receipts
Cash Receipts Post
Cash History
Tax Codes
Tax Titles
Agency Listing
AR Trial Balance
Print Invoices
Print Statements

## Customer Information

| Billing Information | Delivery Information | Account Profile | Accounting / Lookup |
| --- | --- | --- | --- |

Account: [          ]    **Admin Notes**    **Help**

**Page Selection**

Name: [          ]
Address 1: [          ]    **Delivery**
Address 2: [          ]
City/State/Zip: [          ] [   ] [      ]    **Profile**
County: [          ]
Contact: [          ]    **Accounting**
Phones: [          ] [          ]

**Add**    **Find**    **Browse**    **Delete**    **Contacts**    **Save**    **Exit**

Revenue/Expense

Inventory

Purchasing

Recurring

Asset Management

File Window About

Agency Account

Revenue/Expense

Inventory

Purchasing

Recurring

Asset Management

Work Order Entry
Work Order Edit/Post
Agency Work Order History
Asset Work Order History
Project Management
Technician Productivity
Warranty Expiration
PM Schedule Listing
Asset Costing
Sub Account Costing
Sub Account And Asset Listing
Billing History
Detail WIP
Daily Status
Change Asset Rates
Asset Transfer
Time Card Entry
Technician Entry
Category/Prompts
Frequency Tables
Status Codes
Service Codes

## Service / Work Order Processing - Batch #200 - B & C Communications

22125      22125          Transfer W/O          User, Site, Service Location

S  779FYW2757      Serial #       Number      K M I (KALIDA MFG INC)

K M I (KALIDA MFG INC)          286281       1111 N ST RT 235

1111 N ST RT 235          Svc Code       P O BOX 607

Phone:  937-663-5941          TMA       ST PARIS OH, 43072-0000

Normal Billing Type:  TMA       Service Order      Revenue Center  COLUMBUS

Asset Detail       Billing:  TMA       PO / Ref  K013063-PS

Last Work Order       0    Type:  Invoice

Dated:          Apply To      286281          Order Detail

Next PM:                Preventive Maintenance

Creator:

Last Modifier:          May 2, 2003       Order Total:  93.96

Status   History       Print Invoice (Y/N):  N

Date In  Nov. 12, 2002  10:31 a.m.    07

Date Out        12:00 p.m.       Due By

Service Required   Admin Notes   Tech Notes          Primary Technician

P.O.S. Invoice

Print Packing List

Add    Find    Browse    Delete    Complete    Print WO    Save    Exit

**MCM TECHNOLOGY**

Presents the

MCM Real Time™

Asset Management Tracking System

Business Intelligence Module

File   Edit   View   Insert   Data   Tools   Window   Help

Filters

Category: WATER

All Locations

- ☑ Plantation
- ☑ Green Cove Springs
- ☑ Port St. Joe
- ☑ Ft. Pierce
- ☑ Bonifay
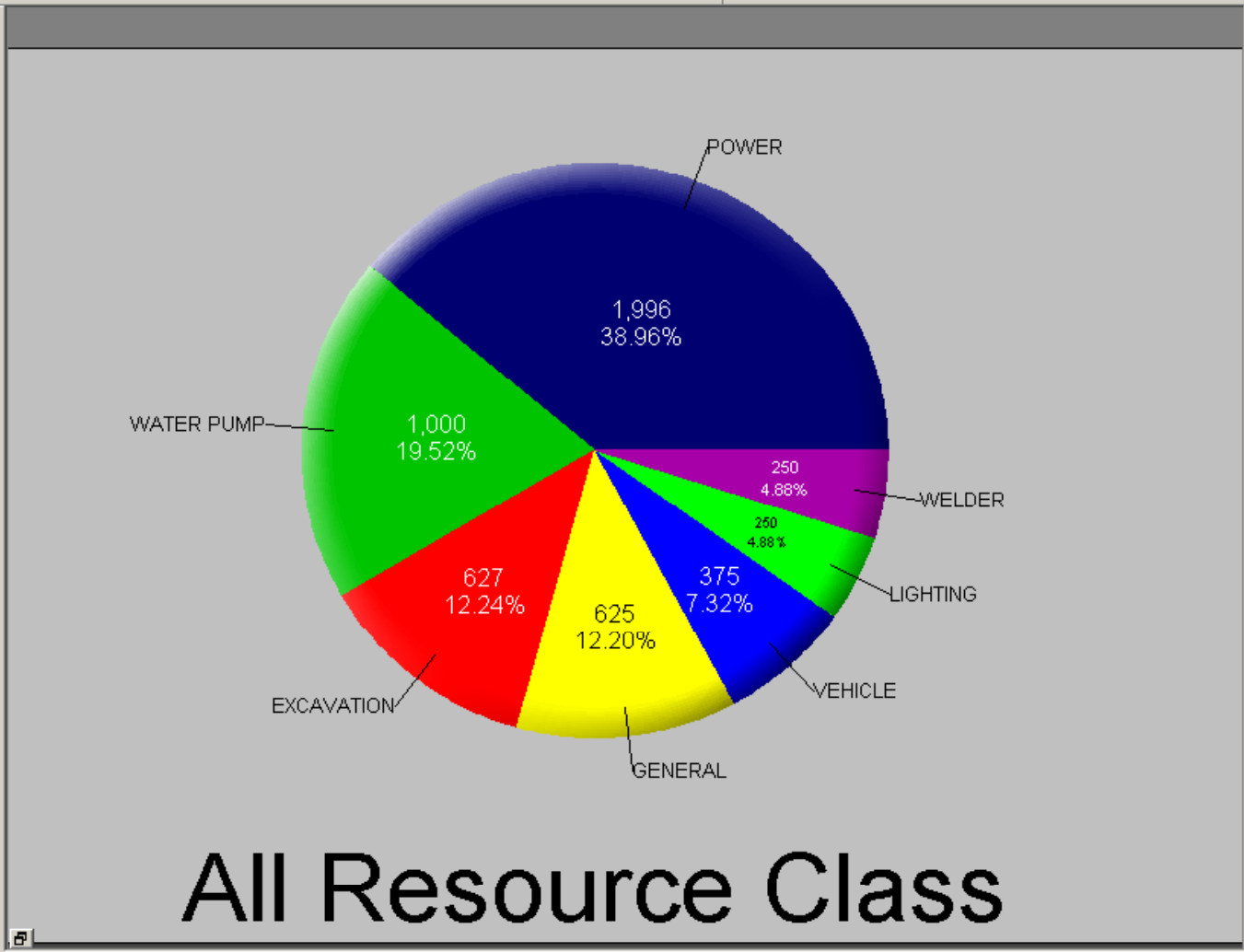- ☑ Fernandina Beach
- ☑ Bradenton
- ☑ Madison

All Resource Class

- ☑ EXCAVATION
- ☑ POWER
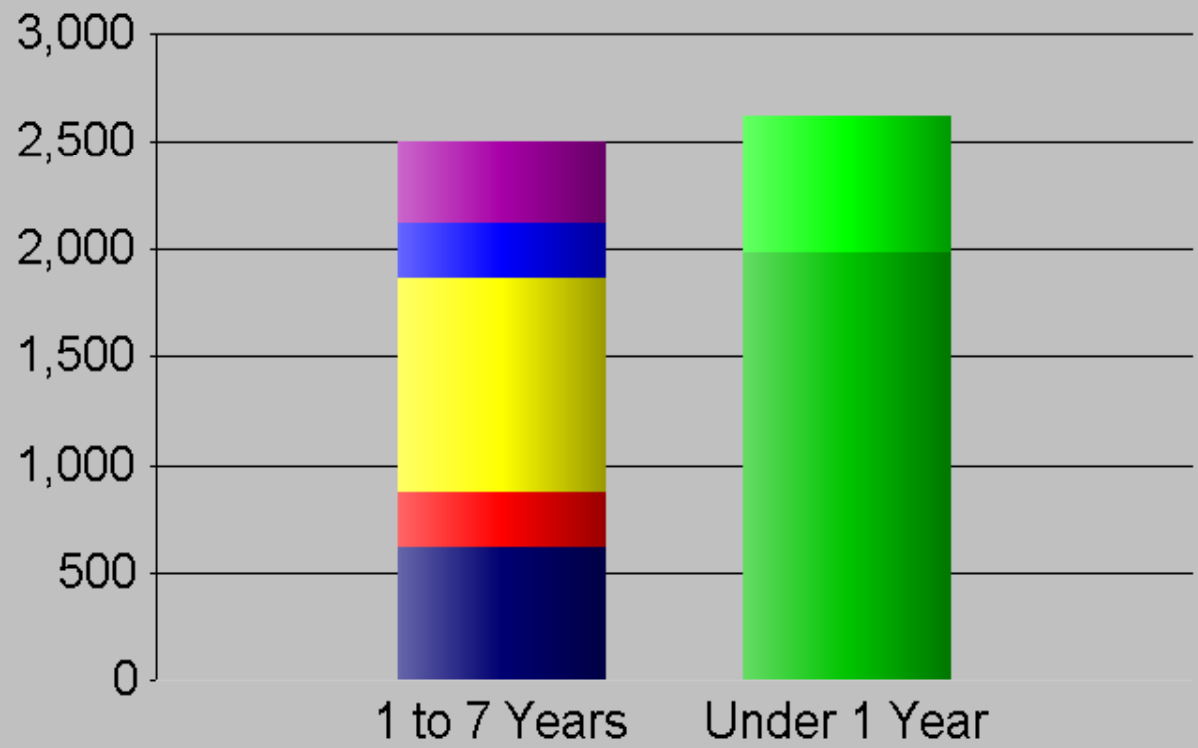- ☑ LIGHTING
- ☑ WATER PUMP
- ☑ WELDER
- ☑ GENERAL
- ☑ VEHICLE

Navigation

Navigation | Viewpoints

Slow — Fast

Map View
Pie Chart
Bar Chart
Gauge
Bar Whisker

Move Up
Move Down
Insert...
Delete

Florida

Fernandina Beach 100
Bonifay 100   Marianna 100
Blountstown 100
TALLAHASSEE 220
Madison 100   Jasper
Live Oak 100
Jacksonville 100
Green Cove Springs 100   St. Augustine 100
Lake Butler 100   Starke 100
Palatka 100
Pensacola 100
Panama City 100
Port St. Joe 100   Apalachicola 100
Daytona Beach 100
Sanford 100
Bushnell 100
Brooksville 100
Kissimmee 100
New Port Richey 100
Vero Beach 100
Clearwater 100   Tampa 100
Wauchula Sebring 100
Bradenton 100
Sarasota 100   Arcadia 100
Okeechobee 100   Stuart 100
Punta Gorda 100
West Palm Beach 100
Naples 100
Miami 100
Marathon 100

Sheet 1

Ready

File    Edit    View    Insert    Data    Tools    Window    Help

Category: WATER

All Locations

- ☑ Plantation
- ☑ Green Cove Springs
- ☑ Port St. Joe
- ☑ Ft. Pierce
- ☑ Bonifay
- ☑ Fernandina Beach
- ☑ Bradenton
- ☑ Madison

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- ☑ EXCAVATION
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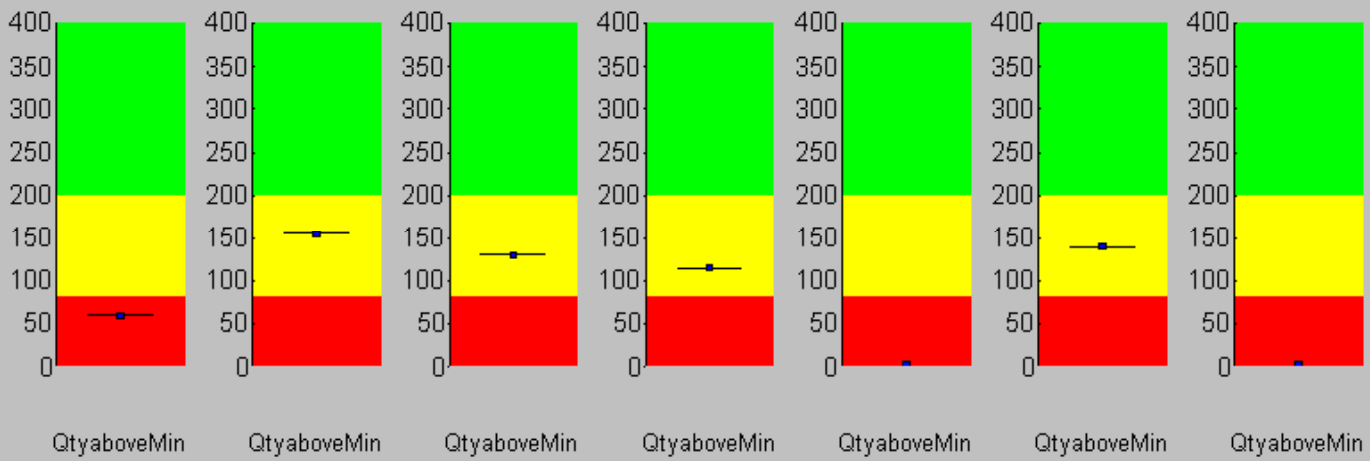- ☑ WELDER
- ☑ GENERAL
- ☑ VEHICLE

Navigation

Navigation    Viewpoints

Slow                    Fast

Map View
Pie Chart
Bar Chart
Gauge
Bar Whisker

Move Up
Move Down
Insert...
Delete



Resource Count — Asset Age Range

1 to 7 Years    Under 1 Year

Sheet 1

Ready

Presents the

MCM Real Time™

Complex Asset Management
Tracking System

GIS Overlay

# Asset Location- Visual Display
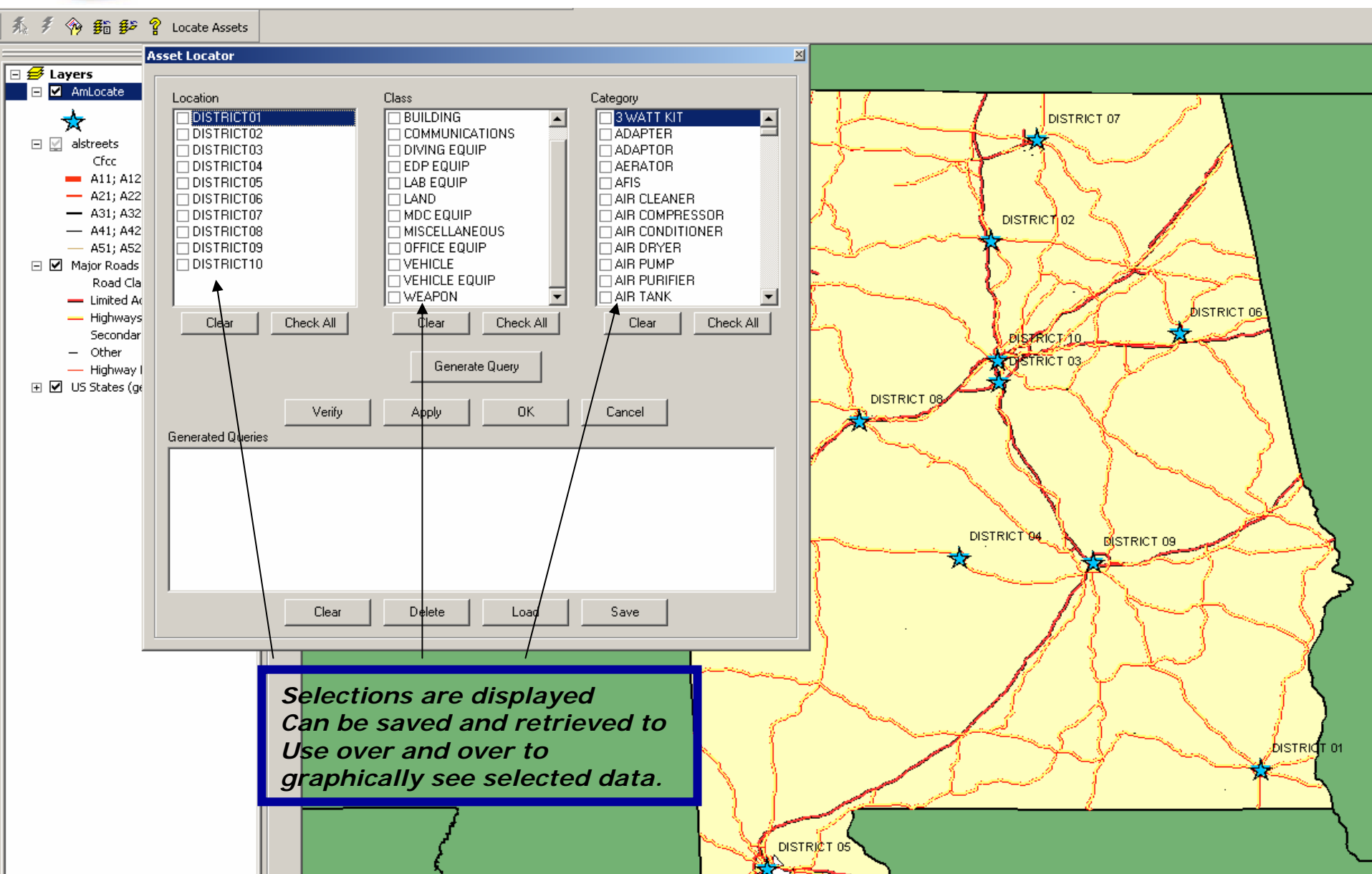


Selections are displayed
Can be saved and retrieved to
Use over and over to
graphically see selected data.

# Asset Location- Selection Query



**With the user-friendly selectable query, you will be able to select by location, product class and product category to instantly get a graphical view of the data selected within the query.**

**You will be able to create and save your queries for complicated frequent queries you use and be able to recall those queries quickly to display the data needed.**

**All at your fingertips.**

# *Asset Selection Browse*



**Selected Assets**

| Asset # | Serial # | Description | Class |
|---|---|---|---|
| 861001 | 861861001861 | SHOTGUN REMINGTON... | WEAPON |
| 862001 | 862862001862 | SHOTGUN REMINGTON... | WEAPON |
| 863001 | 86363VT192463V | SHOTGUN REMINGTON... | WEAPON |
| 864001 | 86480VS307480V | REMINGTON 870 SHOT... | WEAPON |
| 865001 | 865865001865 | SHOTGUN REMINGTON... | WEAPON |
| 866001 | 866644SNR1174644 | SHOTGUN REMINGTON... | WEAPON |
| 867001 | 867867001867 | SHOTGUN REMINGTON... | WEAPON |
| 713018 | 713900786900 | RIFLE W/SCOPE & CASE | WEAPON |
| 718018 | 718718018718 | GUN RIFLE WINCH MO... | WEAPON |
| 732018 | 732732018732 | GUN RIFLE WINCH MO... | WEAPON |
| 769018 | 769446865446 | RIFLE W/SCOPE & CASE | WEAPON |
| 789018 | 789608865608 | RIFLE | WEAPON |
| 233036 | 233233036233 | RIFLESCOPE SURVEILL... | WEAPON |
| 913036 | 913525SN R096525 | SHOTGUN REMINGTON... | WEAPON |
| 914036 | 914914036914 | SHOTGUN REMINGTON... | WEAPON |
| 916036 | 916916036916 | SHOTGUN REMINGTON... | WEAPON |
| 918036 | 918918036918 | SHOTGUN REMINGTON... | WEAPON |
| 924036 | 92422VV092722V | REMINGTON 870 SHOT... | WEAPON |

6105 assets selected

[ Zoom ] [ Report ] [ Close ]

**Within the selection query, you will be able to browse the data found within the query and instantly zoom to the data visually on a graphical map or you may click the "Report" button to see the data in report form.**

# *Report from Query*



**Alabama State Police**

6/2/2003

| LOCATION | CLASS | CATEGORY | ASSET | SERIALNB | DESCRIPTION | NAME | BUILDING | FLOOR | ROOM | EMPLOYEE | ACQDATE | SVCD/ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DISTRICT03 | WEAPON | SHOTGUN | 836097 | 83639MC790 | SHOTGUN, 12 GA. PARKE | DISTRICT 03 | | | | | 6/16/2000 12:0 | 6/22/20 |
| | | | 837097 | 83749MC790 | SHOTGUN, 12 GA. PARKE | DISTRICT 03 | | | | | 6/16/2000 12:0 | 6/22/20 |
| | | | 838097 | 83837MC790 | SHOTGUN, 12 GA. PARKE | DISTRICT 03 | | | | | 6/16/2000 12:0 | 6/22/20 |
| | | | 839097 | 83985MC790 | SHOTGUN, 12 GA. PARKE | DISTRICT 03 | | | | | 6/16/2000 12:0 | 6/22/20 |
| | | | 840097 | 84088MC790 | SHOTGUN, 12 GA. PARKE | DISTRICT 03 | | | | | 6/16/2000 12:0 | 6/22/20 |
| | | | 841097 | 84147MC790 | SHOTGUN, 12 GA. PARKE | DISTRICT 03 | | | | | 6/16/2000 12:0 | 6/22/20 |
| | | | 842097 | 84289MC790 | SHOTGUN, 12 GA. PARKE | DISTRICT 03 | | | | | 6/16/2000 12:0 | 6/22/20 |
| | | | 843097 | 84345MC790 | SHOTGUN, 12 GA. PARKE | DISTRICT 03 | | | | | 6/16/2000 12:0 | 6/22/20 |
| | | | 844097 | 84459MC768 | SHOTGUN, 12 GA. PARKE | DISTRICT 03 | | | | | 6/16/2000 12:0 | 6/22/20 |
| | | | 845097 | 84575MC790 | SHOTGUN, 12 GA. PARKE | DISTRICT 03 | | | | | 6/16/2000 12:0 | 6/22/20 |
| | | | 846097 | 84649MC790 | SHOTGUN, 12 GA. PARKE | DISTRICT 03 | | | | | 6/16/2000 12:0 | 6/22/20 |
| | | | 847097 | 84738MC790 | SHOTGUN, 12 GA. PARKE | DISTRICT 03 | | | | | 6/16/2000 12:0 | 6/22/20 |
| | | | 848097 | 84828MC768 | SHOTGUN, 12 GA. PARKE | DISTRICT 03 | | | | | 6/16/2000 12:0 | 6/22/20 |
| | | | 849097 | 84955MC768 | SHOTGUN, 20"" PARKERI | DISTRICT 03 | | | | | 6/7/2000 12:0 | 9/12/20 |
| | | | 850097 | 85057MC768 | SHOTGUN, 20"" PARKERI | DISTRICT 03 | | | | | 6/7/2000 12:0 | 9/12/20 |
| | | | 851097 | 85170MC768 | SHOTGUN, 20"" PARKERI | DISTRICT 03 | | | | | 6/7/2000 12:0 | 9/12/20 |
| DISTRICT04 | | RIFLE | 974207 | 9749742079 | RIFLE CALIBRATOR ZER0 | DISTRICT 04 | | | | FIR 128 | 2/1/1987 12:0 | |
| DISTRICT05 | | PISTOL | 056223 | 0560562230 | GRINDER ELEC PED MO[ | DISTRICT 05 | | | PHYSKL | FAIRBURN D | 6/1/1959 12:0 | |
| | | | 939223 | 9399392239 | COMPRESSOR AIR W/RE | DISTRICT 05 | | | PHYSKL | SMITH J | 9/1/1959 12:0 | |
| DISTRICT06 | | | 018244 | 018636AE42 | PISTOL, NIGHTSIGHT | DISTRICT 06 | | | | FIR 129 | 6/1/1996 12:0 | 6/28/19 |
| | | | 019244 | 019965AE43 | PISTOL, NIGHTSIGHT | DISTRICT 06 | | | | FIR 129 | 6/1/1996 12:0 | 6/28/19 |
| | | | 020244 | 020964AE43 | PISTOL, NIGHTSIGHT | DISTRICT 06 | | | | FIR 129 | 6/1/1996 12:0 | 6/28/19 |
| | | | 021244 | 021966AE43 | PISTOL, NIGHTSIGHT | DISTRICT 06 | | | | FIR 129 | 6/1/1996 12:0 | 6/28/19 |
| | | | 855243 | 8558552438 | BLANK PISTOL | DISTRICT 06 | | | PHYSKL | LYDDON S | 6/13/1996 12:0 | 6/27/19 |
| | | | 856243 | 8568562438 | BLANK PISTOL | DISTRICT 06 | | | PHYSKL | LYDDON S | 6/13/1996 12:0 | 6/27/19 |
| | | | 857243 | 8578572438 | BLANK PISTOL | DISTRICT 06 | | | PHYSKL | LYDDON S | 6/13/1996 12:0 | 6/27/19 |
| | | | 858243 | 8588582438 | BLANK PISTOL | DISTRICT 06 | | | PHYSKL | LYDDON S | 6/13/1996 12:0 | 6/27/19 |
| | | | 859243 | 8598592438 | BLANK PISTOL | DISTRICT 06 | | | PHYSKL | LYDDON S | 6/13/1996 12:0 | 6/27/19 |
| | | | 860243 | 8608602438 | BLANK PISTOL | DISTRICT 06 | | | TRNG | DELETION | 6/13/1996 12:0 | 6/27/19 |
| | | | 861243 | 8618612438 | BLANK PISTOL | DISTRICT 06 | | | PHYSKL | LYDDON S | 6/13/1996 12:0 | 6/27/19 |
| | | | 862243 | 8628622438 | BLANK PISTOL | DISTRICT 06 | | | PHYSKL | LYDDON S | 6/13/1996 12:0 | 6/27/19 |
| DISTRICT07 | | | 177255 | 177076U571 | PISTOL, 357 MAG | DISTRICT 07 | | | | FIR 129 | 10/29/1997 12 | 2/25/19 |
| DISTRICT09 | | RIFLE | 901286 | 901794MH07 | MATCH H-BAR | DISTRICT 09 | | | SOUTH | DEMARET | 8/2/2000 12:0 | 3/28/20 |
| DISTRICT10 | | PISTOL | 491493 | 4910USDDS | PISTOL, .40 CAL | DISTRICT 10 | | | | | 8/12/1999 12:0 | 8/13/19 |
| | | SHOTGUN | 456R87 | 45614MX155 | SHOTGUN REMINGTON 8 | DISTRICT 10 | | | | | 2/1/1990 12:0 | |
| | | | 457R87 | 45795MX151 | SHOTGUN REMINGTON 8 | DISTRICT 10 | | | | | 2/1/1990 12:0 | |
| | | | 458R87 | 45821MX155 | SHOTGUN REMINGTON 8 | DISTRICT 10 | | | | | 2/1/1990 12:0 | |
| | | | 459R87 | 45918MX155 | SHOTGUN REMINGTON 8 | DISTRICT 10 | | | | | 2/1/1990 12:0 | |

*By selecting from the query, you will have the choice to graphically view the data via GIS mapping or in report form (as seen above). Reports data exports are written to client specifications.*

# Graphical Asset Overlay
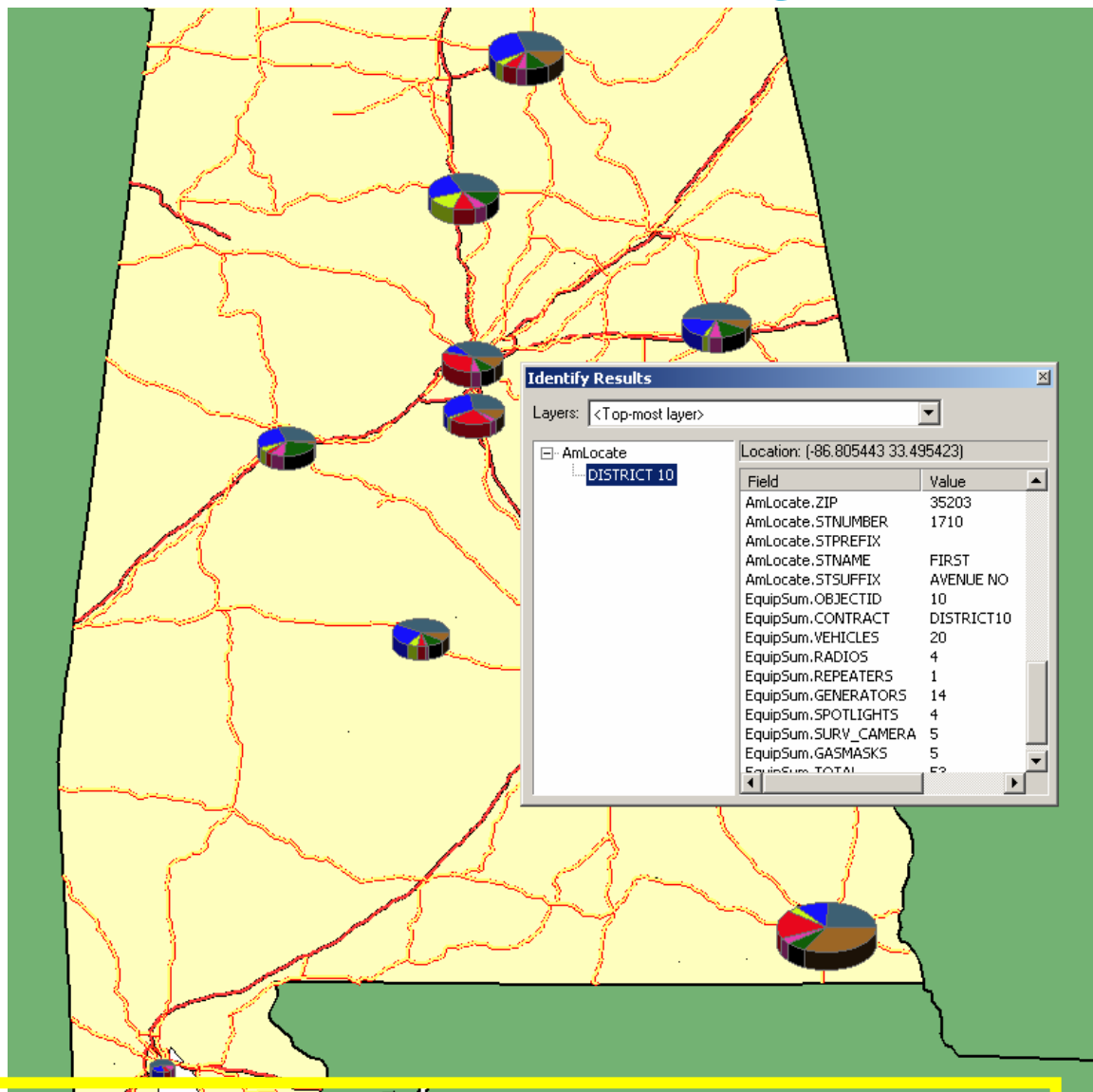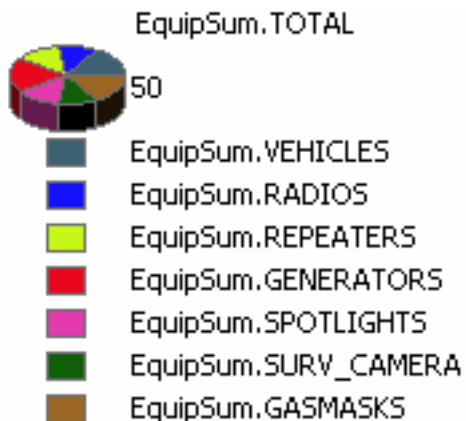


By selecting from the easy to use query, you will be able to visually see the selected data from your query, quickly and precisely with our GIS overlay.

# MCM Real Time™ Systems
## The **Gold Standard** in Product, Performance and Customer Service
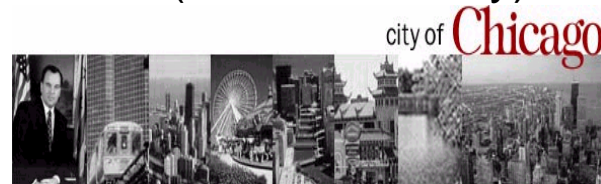


Seattle, Washington

Rochester, New York
(Monroe County)

Columbus, Ohio

Chicago, Illinois

Long Beach, California

Phoenix, Arizona
(Maricopa County)
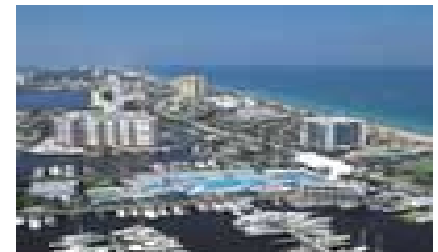
Ft. Lauderdale, FL
(Broward County)

# Known by the company we keep
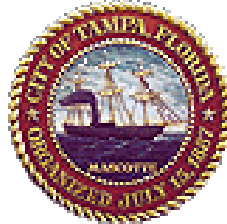
# MCM Real Time™ Systems

# MCM TECHNOLOGY
# KNOWN BY THE COMPANY WE KEEP

![Christie & Walther Telecom — Company Profile]

MCM Technology, LLC, providers of the MCM Real-Time Suite of software for the wireless communications industry and Complex Asset Management for the government sector, will partner with Christie & Walther in providing the latest version of the MCM REAL-TIME Paging Management System. Founded in 1962, Christie and Walther has established itself as one of the premier communication companies in North America, and regularly supplies communications for major political and sporting events, such as the APEC conference, the World Series and the Super Bowl.

In 1991, Christie and Walther personnel won an EMMY award for technical support to CBS television during the World Series.

Christie and Walther has established itself as one of the premier communication companies in North America, and regularly supplies communications for major political and sporting events, such as the APEC conference, the World Series and the Super Bowl

# What are the steps in Getting Started with MCM

➢ **Assessing your requirements and timeframe**

  Current system, Operational methodologies, Greatest needs, Web demonstration, Educational presentations, Marketing material

➢ **Designing a solution for your agency**

  Customized proposal w/ ROI, RFP supporting material & consulting

➢ **Implementation and consulting process**

  Assist with data conversion, install MCM software, and work with the customer to maximize utilization with minimum interruption

➢ **Startup and training along with long term support**

  MCM stays with you for the first day of start-up and provides on-site training for your staff along with documentation.  Then, Monday thru

  Friday, 8 to 5PM EST, remote phone support is provided to your staff

# How can you buy MCM Asset Management Systems for your department or project

➢ MCM Sells Direct via its Consultants and Sales Team

➢ MCM Can be purchased through Government Channel Partners such as GTSI using pre competed contract like www.uscommunities.org eliminating the need for an RFP in most markets

➢ Through system integrators as part of a larger project