

2013 Esri International User Conference

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GIS Portal for Asset Information

(Location, Work Order, Service Request)

Presenter: Madhukar Mohan

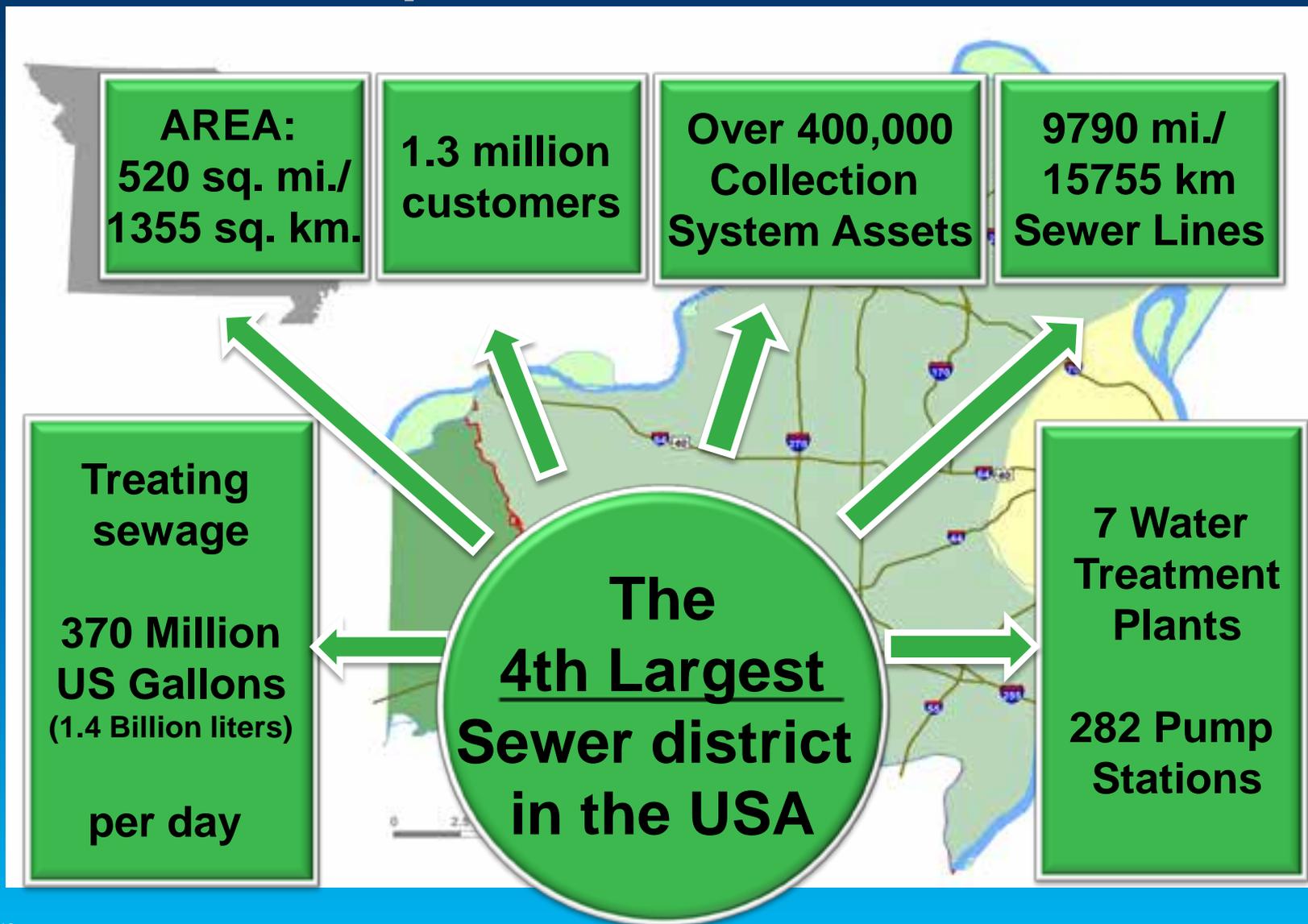
Metropolitan St Louis Sewer District, MO



The Metropolitan St. Louis Sewer District



<http://www.stlmsd.com>



The Challenge

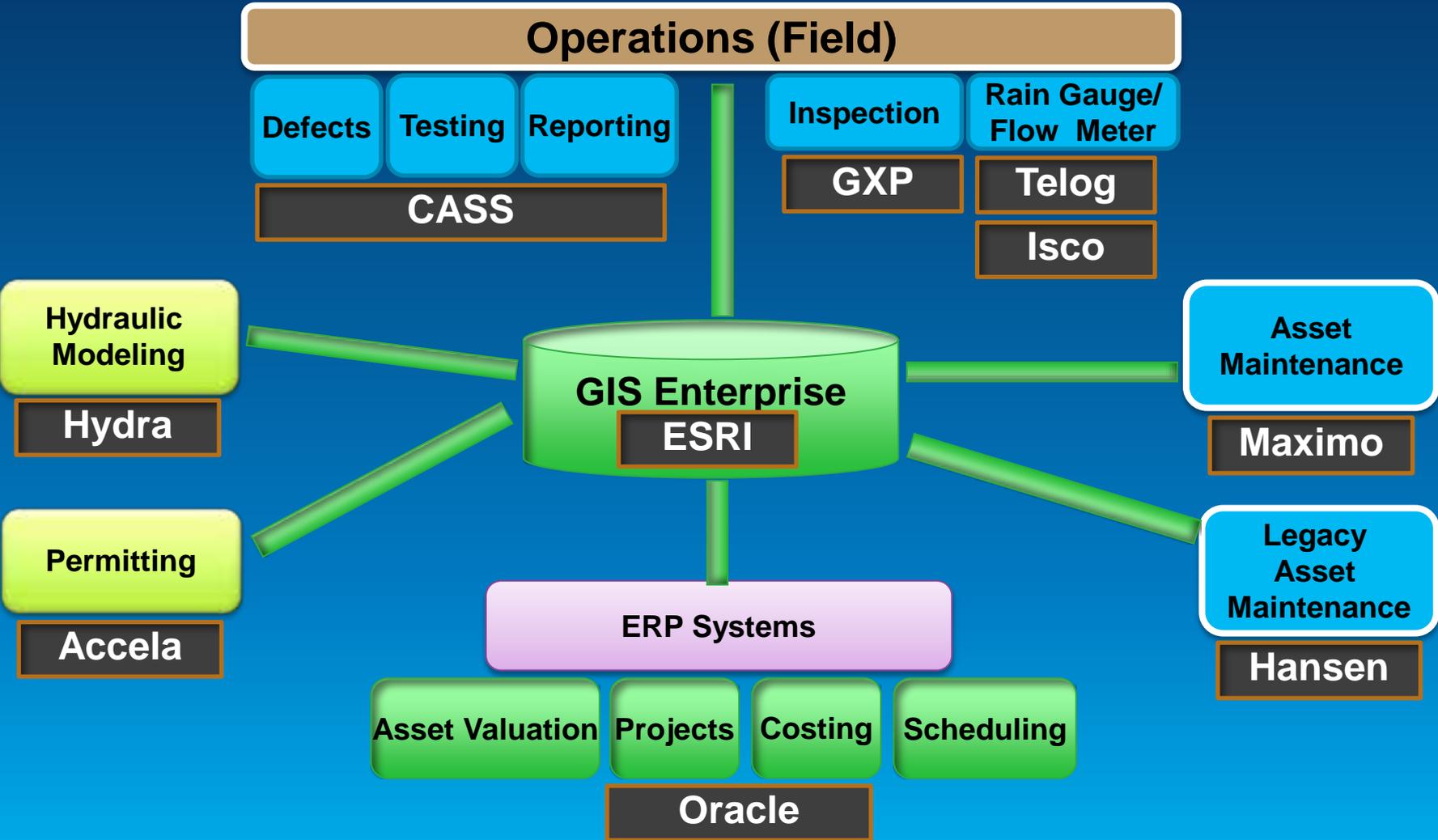


MSD maintains asset related information spread across various applications. An enterprise solution that would bring selected sets of information from various source together in a single, transparent application became an imminent need across the organization.

The Motivating Factors:

- Ø Cost
- Ø Response time
- Ø Complexity
- Ø Effective Decision making

MSD's Enterprise GIS Collaboration



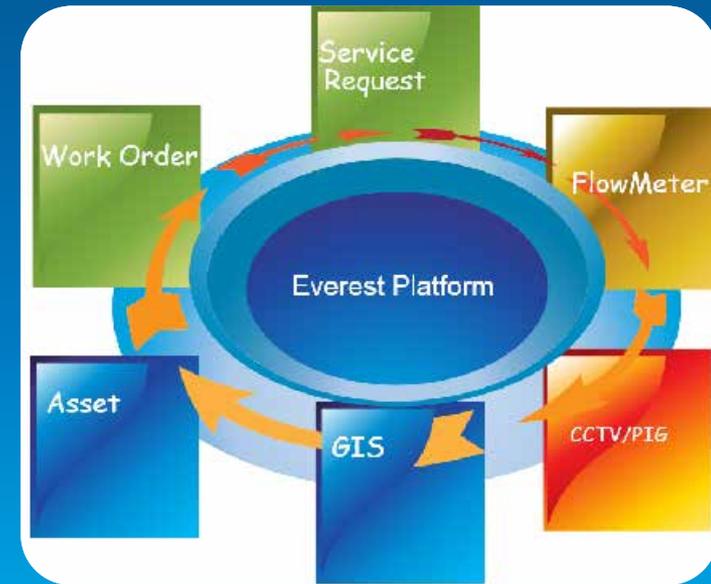
The Solution



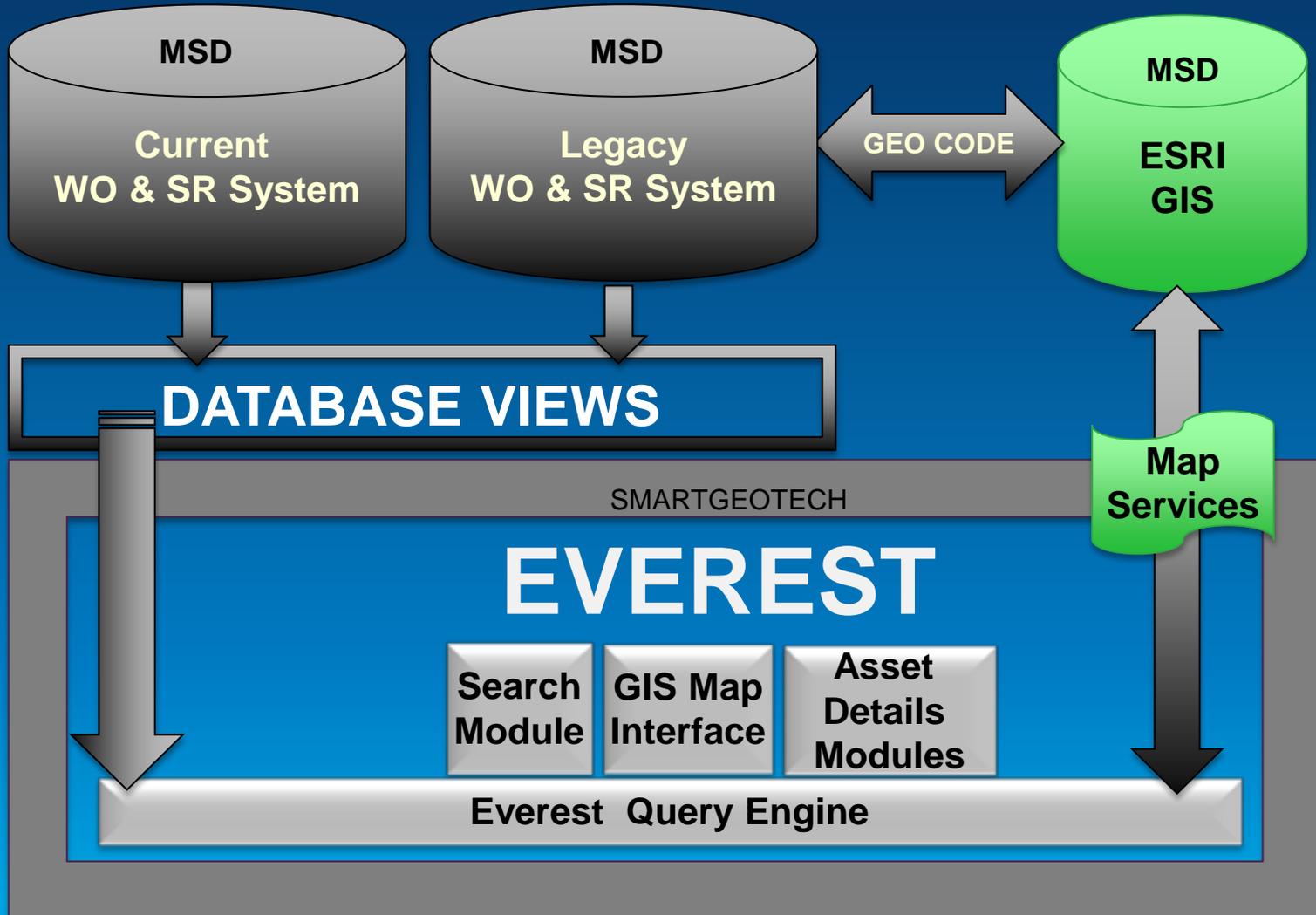
MSD selected '**Everest**', a powerful web based application from **SMARTGEOTECH** that seamlessly integrates our enterprise GIS data with other enterprise data sets.

Product Highlights:

- Well Integrated with ESRI technology
- Support other Enterprise and Open GIS systems
- ERP/O&M Systems & Database agnostic
- Powerful & Secure Web Application with plugins
- Basic search enhanced with user defined spatial queries
- Fast, efficient and effortless management of mass spatial data analysis
- Customizable to fit customer needs



Integration Overview



Benefits



• Cost Effective

- Saves tens of thousands of dollars on additional ERP system licenses
- Transparently integrates information from different sources
- Non rigid single site license model
- Low maintenance, easily configurable and customizable

• Increased Productivity:

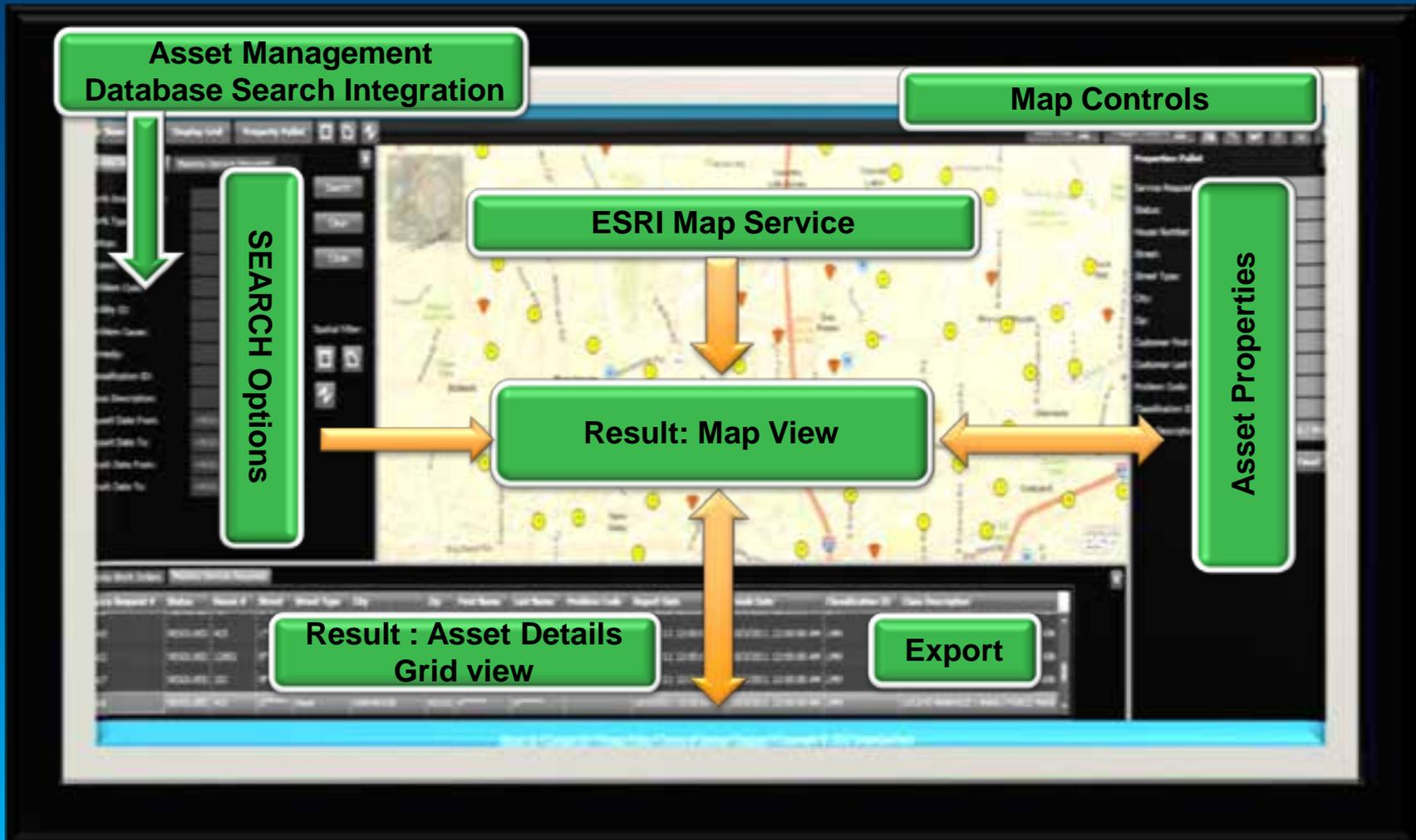
- Highly scalable and fast
- User defined rules based search options
- Reliable and accurate results
- Simple and easy to use

• Increase transparency & Communication:

- Accessible to all at corporate level
- Built in Email and quick Report

Everest- The Application

Query, View, Track and Report





Operation, Maintenance and Planning

Solving some key use cases...

- ü How many Water Backups during last week's rain event and where?
- ü How many Missing Manhole Covers last year and where?
- ü What is going on with a particular Work Order?
- ü What is going on with a particular Service Request?
- ü Service Requests near a given customer's address?
- ü What kind of work has been done on a given asset?
- ü Service Requests made in a given area in the past year?
- ü What Work Orders have been performed in the same area?

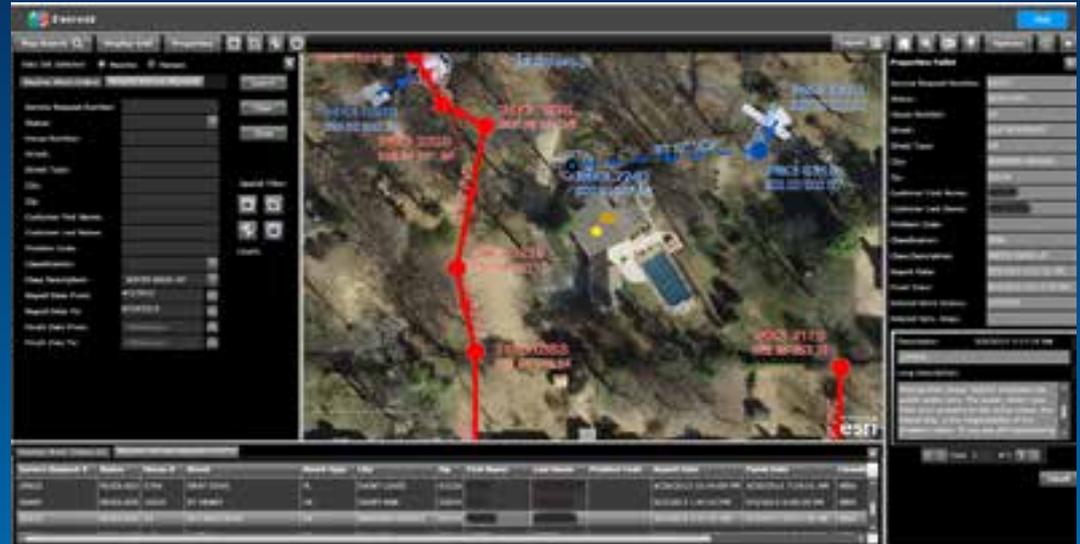


Demo

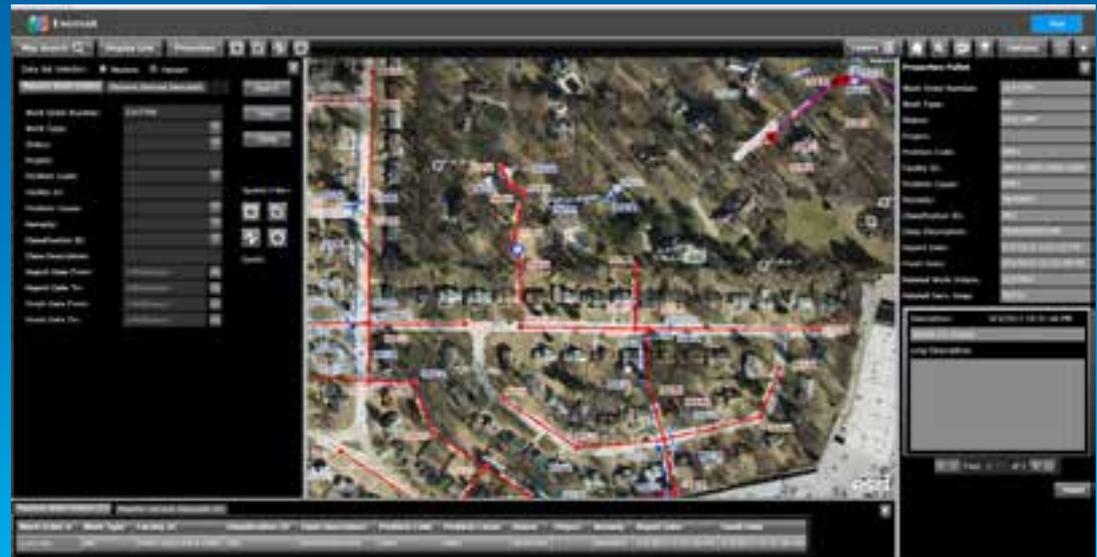
Some Sample Results...



Single Water Backup Service Request



Water Backup Related Work Order



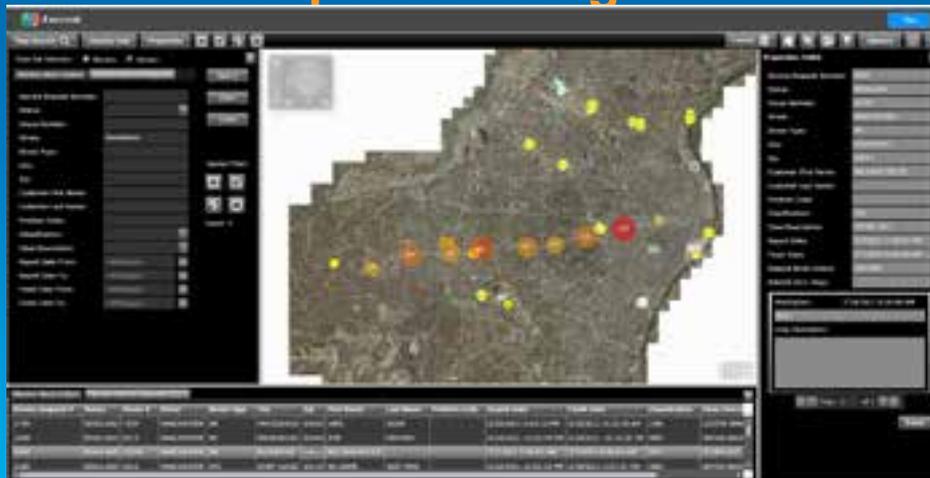
Some Sample Results...



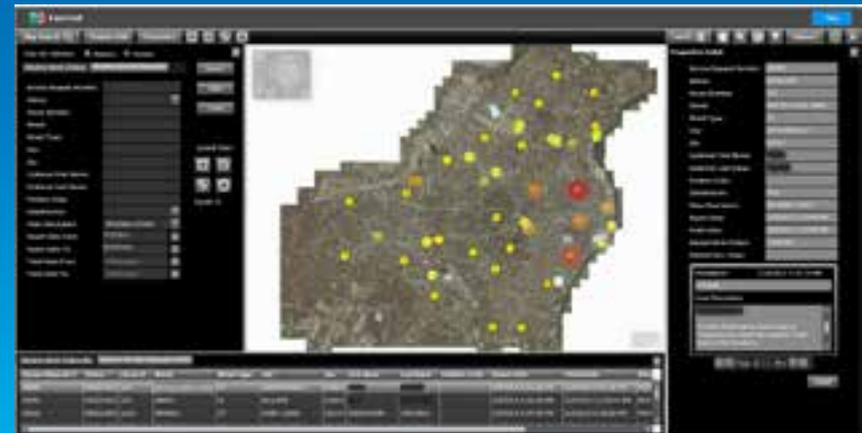
Water Backups reported
April – June 2013



Service Requests along a Road



Missing Manhole Covers this year



Some Sample Results...



Work Orders near a specified Address

The screenshot displays the Everest GIS application interface. The main map shows an aerial view of a residential neighborhood with green dashed lines indicating work order locations. A white circle highlights a specific area on the map. The interface includes a search bar at the top, a filter panel on the left, and a data table at the bottom.

Work Order #	Work Type	Facility ID	Classification ID	Class Description	Problem Date	Problem Cause	Status	Project	Priority	Report Date	Print Date
145134	OK	1485-ELC-1485-126	SM	SMARTER REPAIRS	01/11/2012	01/11/2012	CLOSE	W02	NC	01/11/2012 11:23:00 AM	01/11/2012 11:23:00 AM
145135	OK	1485-ELC-1485-126	SM	SMARTER REPAIRS	01/11/2012	01/11/2012	CLOSE	W02	NC	01/11/2012 11:23:00 AM	01/11/2012 11:23:00 AM
145136	IN	1485-ELC-1485-126	SM	SMARTER REPAIRS	01/11/2012	01/11/2012	OPEN	W02	NC	01/11/2012 11:23:00 AM	01/11/2012 11:23:00 AM
145137	IN	1485-ELC-1485-126	SM	SMARTER REPAIRS	01/11/2012	01/11/2012	OPEN	W02	NC	01/11/2012 11:23:00 AM	01/11/2012 11:23:00 AM

Questions?



Madhukar Mohan, GIS Manager
The Metropolitan St. Louis Sewer District
mmohan@stlmsd.com

Thank You !

