



Spatial + Asset Management

NZ ESRI User Conference, Wellington November 2010

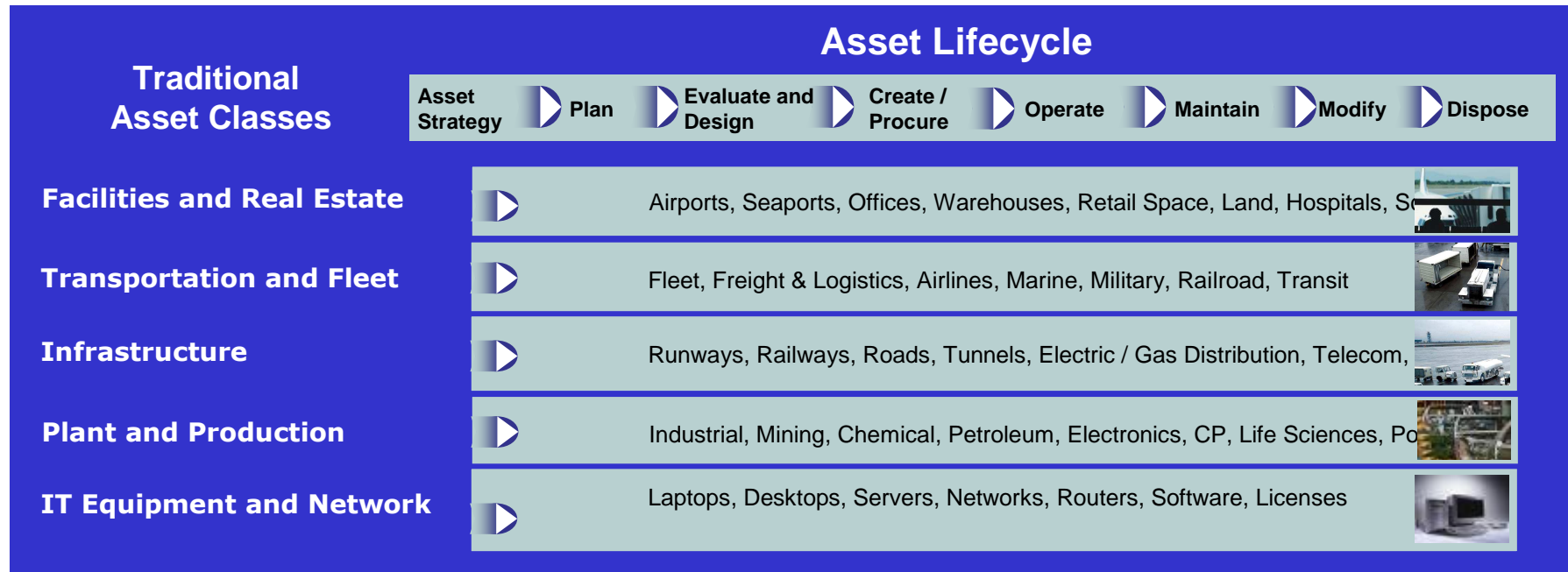


Agenda – A very fast magical mystery tour!



- What *IS* Asset Management?
- Maximo as Asset Management application
- Adding value by integrating: IBM EAM+ESRI=Maximo Spatial
- Maximo Spatial walkthrough – functional view
- Maximo Spatial walkthrough – the technical view
- Q&A

Delivering Total Lifecycle Asset Management



- **Current Drivers of Asset Management within the Enterprise:**

- The emergence of pervasive devices, embedded chips, RFID, sensors, detectors and IP addresses attached to enterprise assets
- Need to measure and manage the availability and use of all strategic assets
- Improved risk management across the enterprise



Addresses business challenges of Operations and IT

Provides Service Management capabilities for

- Asset Owners
- Asset Managers
- Service Providers

Consolidates point technology solutions for Asset and Service Management

Next generation J2EE / SOA Technology Platform

Configurable "platform" to support changing business requirements

+.... Scheduling, Linear, Work Crews, Real Time Asset Location, Depreciation, etc etc



But *WHERE* are my
assets?



Asset Control + Spatial Knowledge = Better Asset Management



- Asset Management is process driven and relies on good data
- Spatial Data Management is data focused and relies on quality (human) processes

Maximo Spatial is the solution for...

- Service desk staff recording incidents
- Team Leaders/Dispatchers allocating work
- Preparation and packaging of work packages
- Engineers planning maintenance
- General work/asset management
- Costing, budgeting, forecasting and visualisation of activity

What are my assets?
How am I managing them?

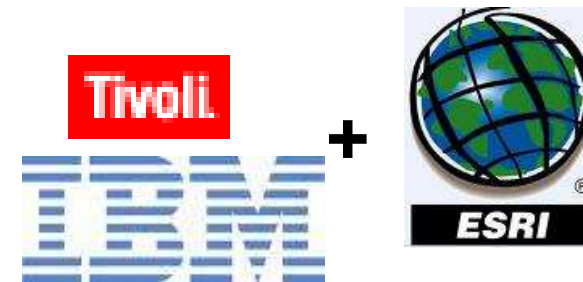
ESRI tools are the solution for....

- Spatial data capture and cleansing
- Quality Map-making
- Visualisation of scenarios

Where are my assets?

Business value of joint solution is in reducing interaction with multiple applications and data sources for frequent processes and workflows.

- Access to geospatial data allows Service Management users to more easily and dynamically visualize the spatial relationships among managed assets and the roads, buildings, pipelines, and other mapped features around them, empowering levels of awareness and insight that tabular systems with dry numbers alone cannot provide
- Real-time integration of Maximo & ESRI's ArcGIS Server 9.3.1
- IBM has a long-time relationship with ESRI
 - Aligned vision technically
 - Sales and Implementation Support





More Accurately define work locations	When a new service request is created, either manually or through a call center, having access to a map of the region to determine the location of the problem leads to a more efficient resolution.
Plan and schedule work by area	Ability to look at a number of open work orders and create a project or work package using a map view. Query work order by status, work type or craft requirements to find related work.
Query a map by Address	When trying to locate an asset or work order users can query the map by a specific address.
Optimize technicians travel time	By having a work orders location accurately specified, there is less time spent on travel trying to find the correct address or location, and less time traveling between work locations inefficiently.
Advanced analytics	Ability to overlay information on a map like traffic or weather information, asset failure history or population to prioritize work, schedule outages or plan future maintenance projects.



Work Order Tracking - Mozilla Firefox

http://mx7vm/maximo/ui/?event=loadapp&value=wotrack&uisessionid=1

Work Order Tracking

Bulletins: (1) Go To Reports Start Center Profile Sign Out Help

Find: Select Action

List Work Order Plans Related Records Actuals Safety Plan Log Failure Reporting Specifications **Map** Service Address

Work Order: 1196 Status: WVAPPR Feature Class: Attachments

Map

Map toolbar: STK, zoom in, zoom out, pan, home, info, layers, print, etc.

Map labels: OLD POLK CITY RD, HAYMARKET DR, BRYSON LN, O'DONIEL LN

Transferring data from mx7vm...

Start Weblogic - C:\bea\... Internet Explorer ca... Work Order Tracki... 11:18 AM

Walk through of Maximo Spatial functions:



General Map – Tool Bar

Map Content

Selection Tools

Draw Tools

Create Attachment Image & pdf

Find Address

Map Overview Window

Show Related

Results Panel

Query by Attributes

Update GIS List

Update Application List

Open Map

Auto-Create

Auto-Locate

Show Linked Assets & Locations

Service Address

Auto-Create

Polygon Selection Sets

Maximo Spatial Architecture

