



Maximo Roadmap and New Features Overview

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Product Design and Architecture

IBM Software

PCTY2010



Pulse Comes to You

Optimising the World's Infrastructure

May 27 - London



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Continuing the Maximo Strategy - Managing Performance of Critical Assets

- Asset and service management solutions for all critical assets across the enterprise
 - Operating on open standards: J2EE-based service-oriented architecture (SOA)
 - Delivered with deep industry-specific functionality

Transportation
Assets & Infrastructure



Building, Facility
and Property Assets



Production Assets
Oil, Steel, Utilities



IT Assets &
Infrastructure



Communications
Infrastructure



IBM Extremely Committed to Maximo and the EAM Market

- Continued investment in Maximo market leadership
 - Product development
 - Sales – direct and channel
 - Support and professional services
- IBM investments are for complete asset coverage
 - Across all asset classes (transportation, facilities, production, IT and communications)



Maximo is Key Component of IBM's Smarter Planet Strategy

IBM Maximo Asset Management - products

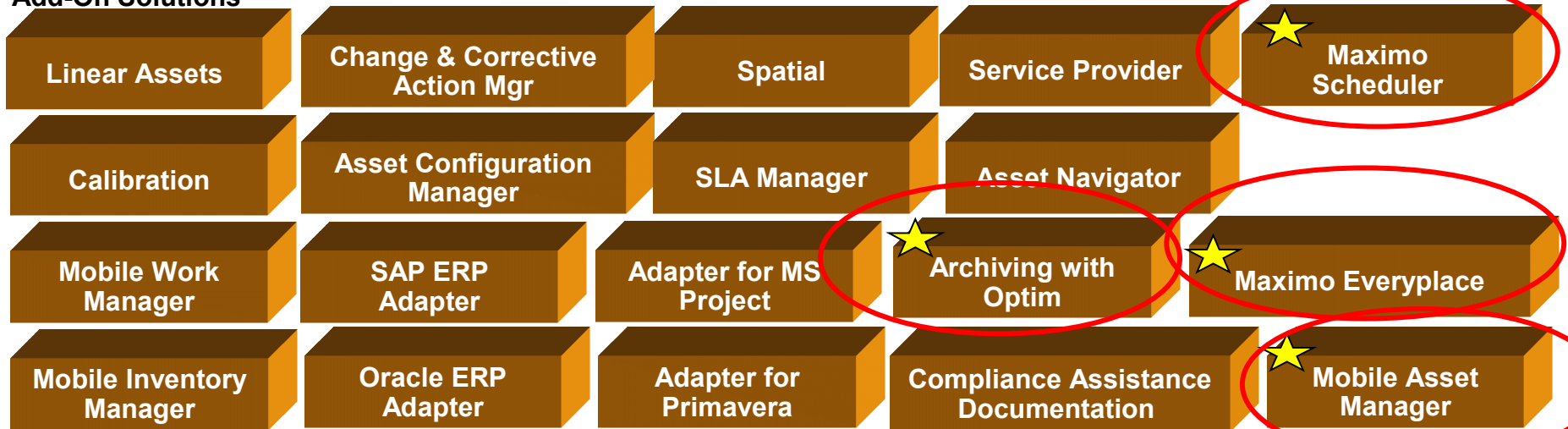
Maximo Asset Management



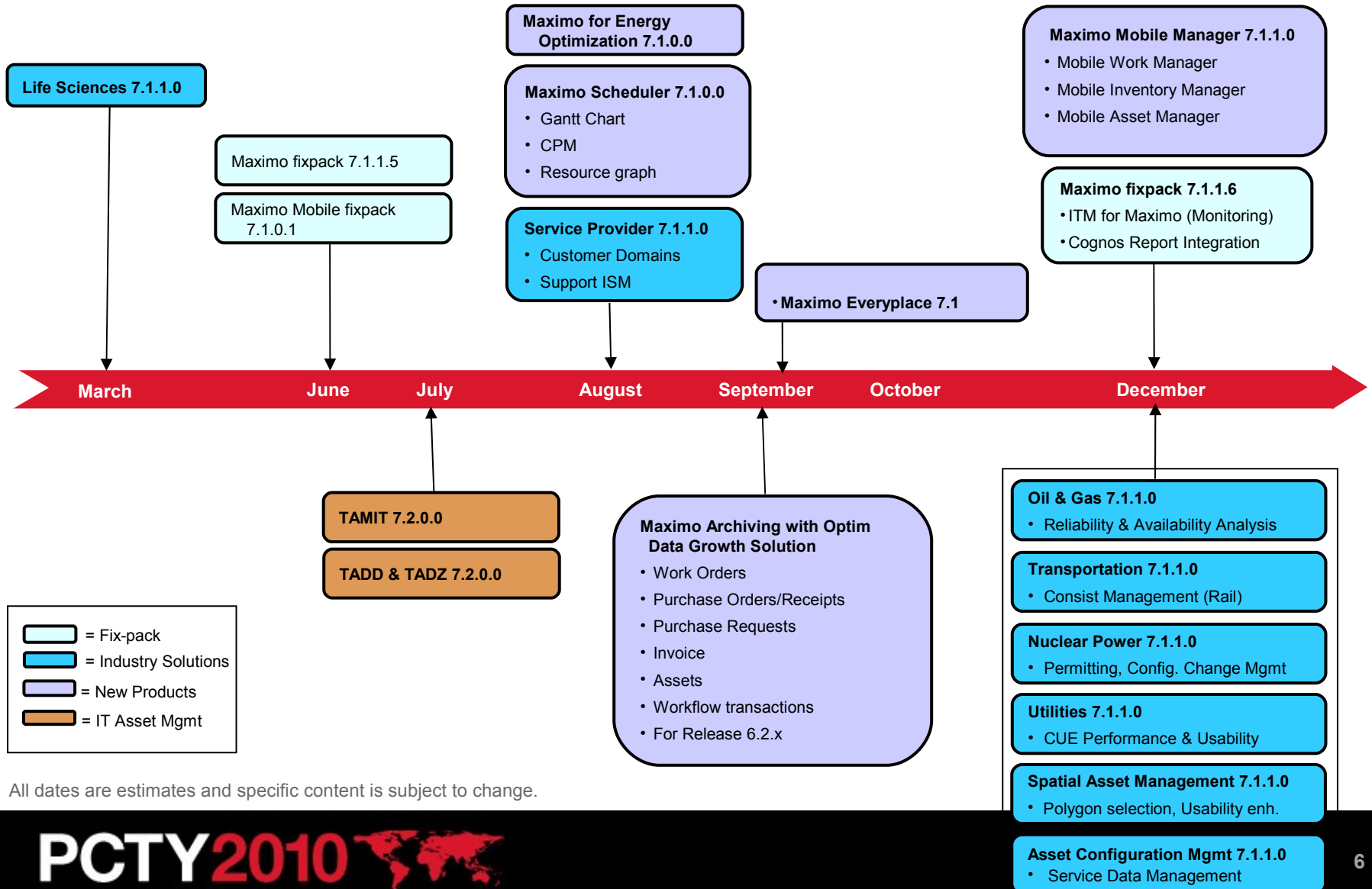
Industry Solutions



Add-On Solutions



Maximo Asset Management 2009 – Delivered Products



All dates are estimates and specific content is subject to change.

Maximo Everyplace



What is Maximo Everyplace?

- Access to the same Maximo that you use today through desktop browsers, but with expanded browser support
 - Support for Mobile Safari (for iPhone and iPod touch)
- Ability to configure screens through special Application Designer features for access on mobile devices with supported browsers
 - Screen configuration happens on a desktop machine, not a mobile device

Why do it?

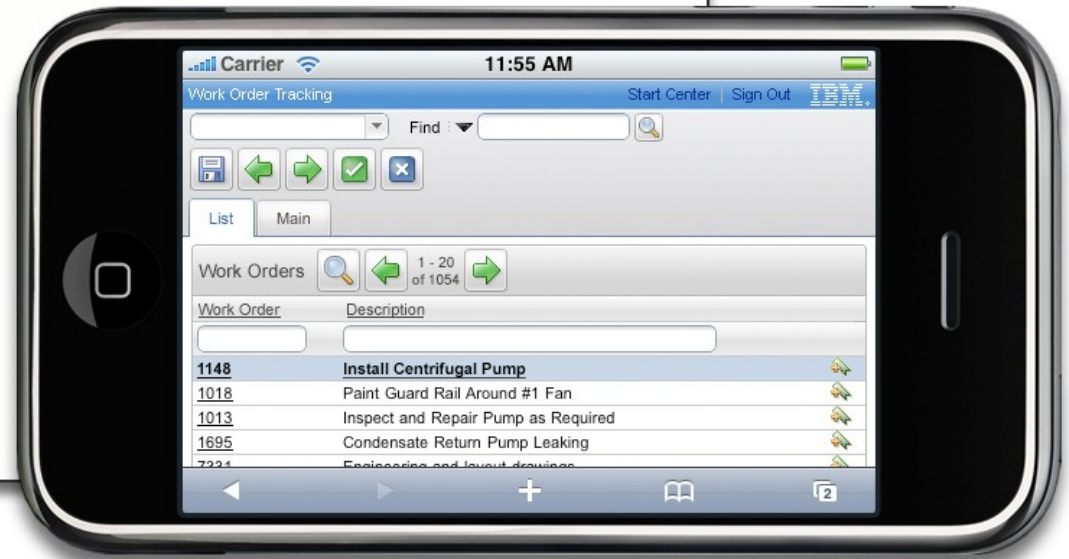
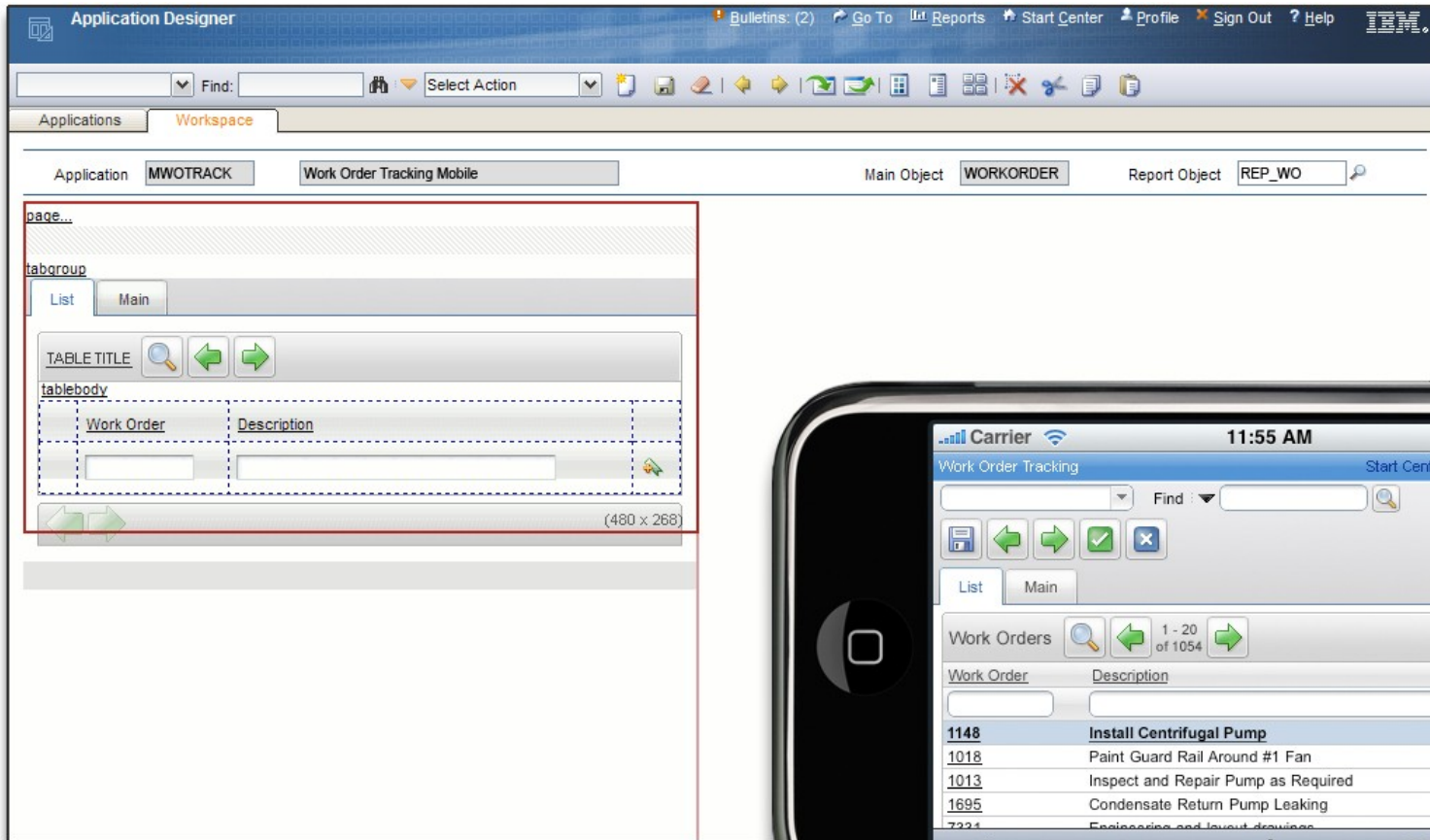
- Customers want quick access to specific Maximo functionality on a mobile device
- They don't want to have to download anything on to the device in order to get access to Maximo (Everyplace is entirely browser based; nothing to install on the device)
- They want the WYSIWYG configuration capabilities that the Maximo Application Designer provides
- They don't want to invest heavily in the Mobile device hardware (an iPhone or iPod Touch starts at \$199 USD)



Details and requirements for Maximo Everyplace

- Initially available in September 2009 as limited release
- English only
- Requires minimum fixpack level of 7.1.1.5
- Supported browsers:
 - Mozilla Firefox 3.0+ for Windows XP and Redhat Linux desktop
 - Internet Explorer 7.x – Windows XP
 - Vista O/S Client w/Internet Explorer 7.x
 - **Mobile Safari for iPod Touch and iPhone**
- Requires Internet connectivity on devices where Maximo is accessed
 - Nothing to install on the devices
 - No offline support

Application Designer – Create Mobile Applications



Choose the appropriate viewport size in App Designer

The screenshot shows the IBM Application Designer interface. At the top, there is a navigation bar with 'Application Designer' and various utility links. Below this is a toolbar with icons for search, actions, and navigation. The main workspace area is titled 'Applications' and 'Workspace'. The application being edited is 'WOTRACK' (Work Order Tracking). The 'Viewpoint' dropdown menu is set to 'iPhone wide (480)'. A red box highlights a portion of the application design, including a tab group with 'List', 'Work Order', 'Plans', 'Related Records', 'Actuals', 'Safety Plan', 'Log', 'Failure Reporting', and 'Specifications'. Below the tab group is a table with columns: 'Work Order', 'Description', 'Location', 'Asset', 'Status', 'Scheduled Start', 'Priority', and 'Site'. A black arrow points from the 'iPhone wide (480)' dropdown to the text below.

Application Designer

Bulletins: (0) Go To Reports Start Center Profile Sign Out Help

Find: Select Action

Applications Workspace

Application WOTRACK Work Order Tracking Is Mobile? Viewport iPhone wide (480) Main Object WORKORDER Report Object REP_WO

page...
tabgroup...
List Work Order Plans Related Records Actuals Safety Plan Log Failure Reporting Specifications

Advanced Search Save Query Bookmarks

Work Orders Filter Download

tablebody...
Work Order Description Location Asset Status Scheduled Start Priority Site

iPhone size comes pre-loaded; add others via a domain. The Viewport size corresponds to the size of the red box

Use appropriate look for a touchscreen

The screenshot shows the 'Application Designer' interface. The top navigation bar includes 'Bulletins: (0)', 'Go To', 'Reports', 'Start Center', 'Profile', 'Sign Out', and 'Help'. Below this is a toolbar with various icons. The main workspace area shows the application configuration for 'WOTRACK2' (LL Work Order Tracking). The 'Is Mobile?' checkbox is checked, and the 'Viewport' is set to 'iPhone wide (480)'. The 'Main Object' is 'WORKORDER' and the 'Report Object' is 'REP_WO'. A red box highlights a table layout for 'Work Orders' with columns for 'Work Order' and 'Description'. An arrow points from the 'Is Mobile?' checkbox to this table layout.

Select Is Mobile checkbox to switch to a look that includes larger fonts and screen elements that are easier to control with your finger instead of a mouse

Example Start Center



Example Work Order Application



Access the new application through any browser

The screenshot shows a web browser window titled "LL Work Order Tracking". The interface includes a search bar at the top with a "Find:" label and a magnifying glass icon. Below the search bar is a toolbar with icons for home, save, back, forward, refresh, print, and close. The main content area has two tabs: "List" and "Work Order", with "Work Order" selected. The form contains the following fields:

Work Order	1000
Description	Relocate Guard Rails Around Compressor
Location	BR300
Description	Boiler Room Reciprocating Compressor
Asset	11300
Description	Reciprocating Compressor- Air Cooled/100 C
Status	WAPPR
Priority	2
Work Type	CM
GL Account	6210-300-???
Failure Class	
Problem Code	
Owner	
Supervisor	MILLER

The Viewport size is saved in the presentation and helps you design better apps in the Application Designer, but it doesn't limit the user's ability to use the same app on different devices. Shown here: a Work Order clone designed for an iPhone screen, but viewed at 1024x768 resolution on a laptop.

What's included and not included

- New Application Designer functionality to make designing for different screen sizes easier
- A new look for Maximo applications that can be applied on a per-application basis. It makes interacting with Maximo easier on a touch screen
- No new apps are included. Rather, we're delivering the toolkit in the Application Designer to help customers make their own applications easier to use across a range of devices.
- All the functionality of Maximo 7.1.1.5 is available for use in Maximo Everyplace applications

Common Questions

Q: Does it work on Blackberry?

A: No, not at this time – Blackberry is currently in development on a new 'webkit based' browser that we will evaluate once available

Q: Will it work on other devices, netbooks, tablets, etc.?

A: Maximo Everyplace will work on devices using browsers we currently support like IE 7, so devices like the Panasonic Toughbook as well as many Windows based tablet PCs are supported

Q: Will my custom applications work in Everyplace?

A: Using Application Designer you can redesign and deploy your custom applications for mobile access as long as you are using standard UI controls available in Application Designer

Q: What other browsers/devices are you researching?

A: We intend to add support for more browsers and devices going forward. Browsers using the webkit engine are the most likely targets as they handle Maximo best – they include Android devices (i.e Google Nexus One & Motorola Droid), Symbian devices (Nokia), the new Apple iPad, and in the future Blackberry

Important Considerations

- Maximo Everyplace does not replace Maximo Mobile
 - Customers may purchase both Maximo Mobile and Maximo Everyplace
 - Maximo Everyplace is for users who are connected “always”
 - No offline capabilities
 - Maximo Mobile is for users who can be disconnected and requires Maximo data while disconnected
 - Maximo Mobile is the mobile solution for remote/disconnected work
- Maximo Everyplace is currently available in limited release
 - Maximo 7.1.1.5
 - English only
 - iPhone / iPod Touch through Mobile Safari browser
- General Availability Release under development
 - Maximo 7.1.1.7
 - iPad support
 - Google Android devices

Maximo Archiving with



Customer Pain Point

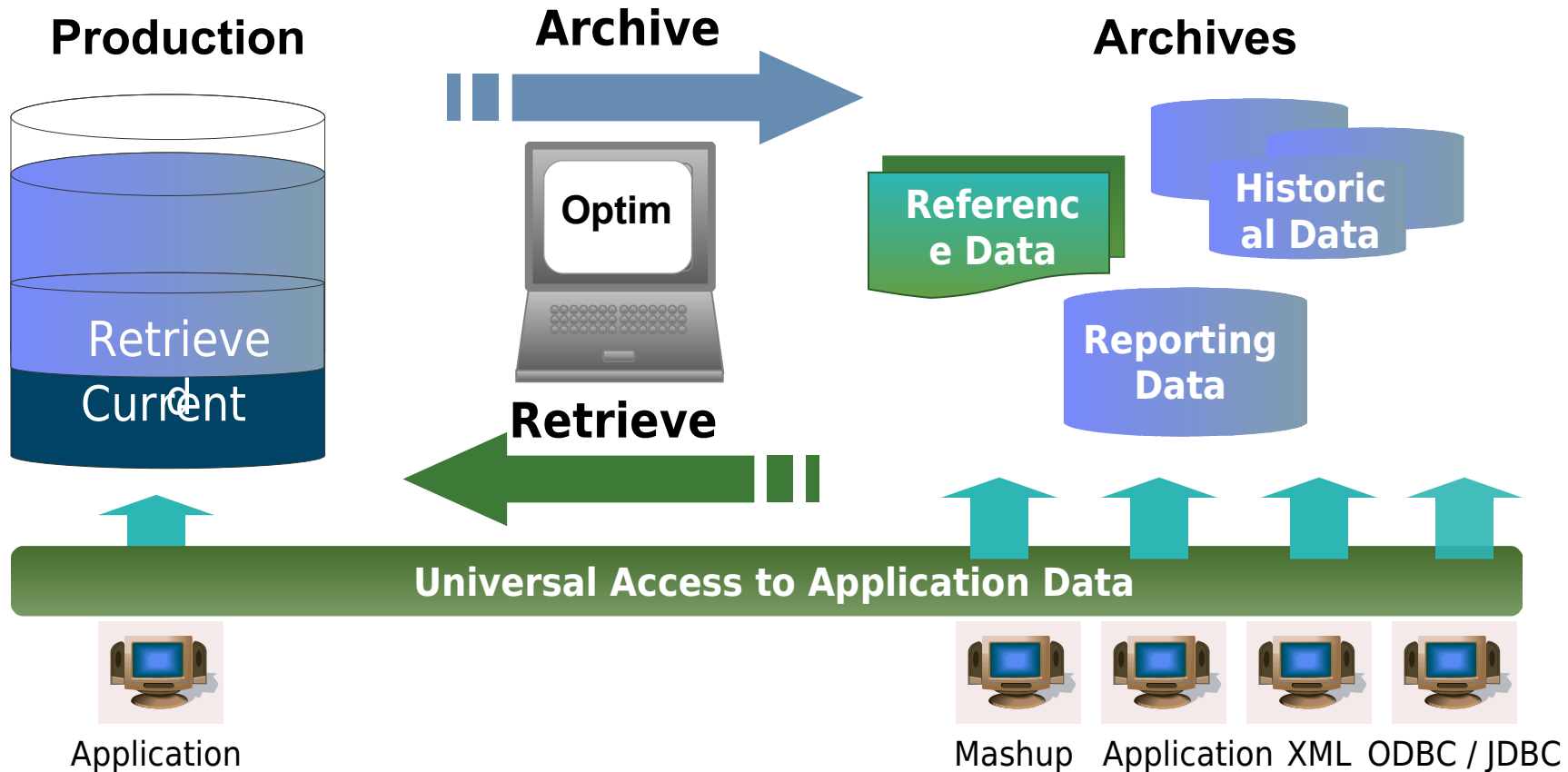
- Production database growth
 - Example, 65000 work orders per month (supply chain development partner); 1 million+ work orders in a year
- Maximo impact:
 - Performance degradation in production
 - Costly hardware upgrades
 - Costly, long running upgrade process
- Customer need:
 - Archive historical data
 - Preserve application performance in production
 - Smoother, faster upgrade to newer product release

Customer Archiving needs

- Customer feedback, Maximo Advisory Council round tables
- Offline storage of application data
 - Data that is currently historical and does not change
 - Data usually deleted from source tables
- Application data context should be preserved
 - Complete business object data
- Application data should remain available for reporting/auditing
 - Offline storage should behave as data source
- Benefit
 - Production environment runs optimally
 - Faster upgrades
 - Hardware costs reduced

Why IBM Optim™ ?

- Selected Optim to enable Maximo archiving
 - IBM acquired Princeton Softech in 2007
 - Part of Information Management brand
 - Optim is key data growth solution from Princeton Softech
 - Best of Breed: Competitors include Applimation, HP-OuterBay, Solix, Compuware
 - Optim offers archiving solutions for packaged applications
 - Oracle E-Business
 - PeopleSoft
 - Siebel
 - JD Edwards
 - others
 - Current IBM Optim release 7.1
 - Mature product line



- **Complete Business Object provides historical reference snapshot of business activity**
- **Storage device independence reduces storage costs**
- **Immutable file format enables data retention compliance**

Optim for Maximo

- Enabling Maximo archiving capability with Optim
- Out of the box archive access definitions (policies)
 - Policies can be changed to fit requirement
 - New policies can be created
 - Configuration – no coding
- Definitions initially available for:
 - Work orders
 - Purchasing (including POs, Invoices)
 - Purchase Requisitions
 - Workflow Transactions
 - Assets
- No Maximo code – Adapter is for Optim to connect to a Maximo database

Optim Data Growth

The image shows two overlapping windows from a database management tool. The background window is titled "PSTDEMO.WODETAILNEW - Access Definition Editor". It has a menu bar (File, Edit, Tools, Options, Help) and a toolbar. The "Description:" field contains "WODetail ArchTest 2 -No Views onlyWPITEM". The "Tables" tab is active, showing a table list with columns: Table/View, Type, DBMS, and Table Specifications. The list contains five entries: 1. WORKORDER (Table, Oracle), 2. WPLABOR (Table, Oracle), 3. WPITEM (Table, Oracle), 4. INVRESERVE (Table, Oracle), and 5. (empty). The "Start Table:" field is set to "WORKORDER".

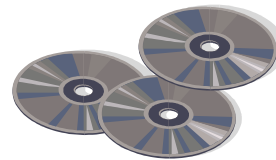
The foreground window is titled "Table Specifications" and also has a menu bar (File, Edit, Options, Tools, Help) and a toolbar. The "Table:" dropdown is set to "WORKORDER". The "SQL" tab is selected, showing a query: "SELECT ... FROM WORKORDER WHERE STATUS = 'CLOSE' and STATUSDATE > to_date('2008/09/24','yyyy/mm/dd')". Below the query, there are three sections: "Columns:" with a list containing "WONUM", "PARENT", and "STATUS"; "Operators:" with a list containing "<", "<=", and "="; and "Operators:" with a list containing "AND", "OR", and "IN".

Table/View	Type	DBMS	Table Specifications
1. WORKORDER	Table	Oracle	
2. WPLABOR	Table	Oracle	
3. WPITEM	Table	Oracle	
4. INVRESERVE	Table	Oracle	
5.			

- Initially released September 2009 - *Supports Maximo 6.2.x
- Offered as an Add-on
- Maximo 7.x definitions currently in beta for mid-2010 release
- Packaging includes:



+



+



IBM Optim

- Data Growth Solution product
- Limited use License with Maximo

Maximo Archive Definition files

- Work Order
- Purchase Order/Receipts
- Purchase Requests
- Invoice
- Assets
- Workflow transactions

Documentation

- Instructions to configure Optim for use with Maximo

Maximo PM Forecasting

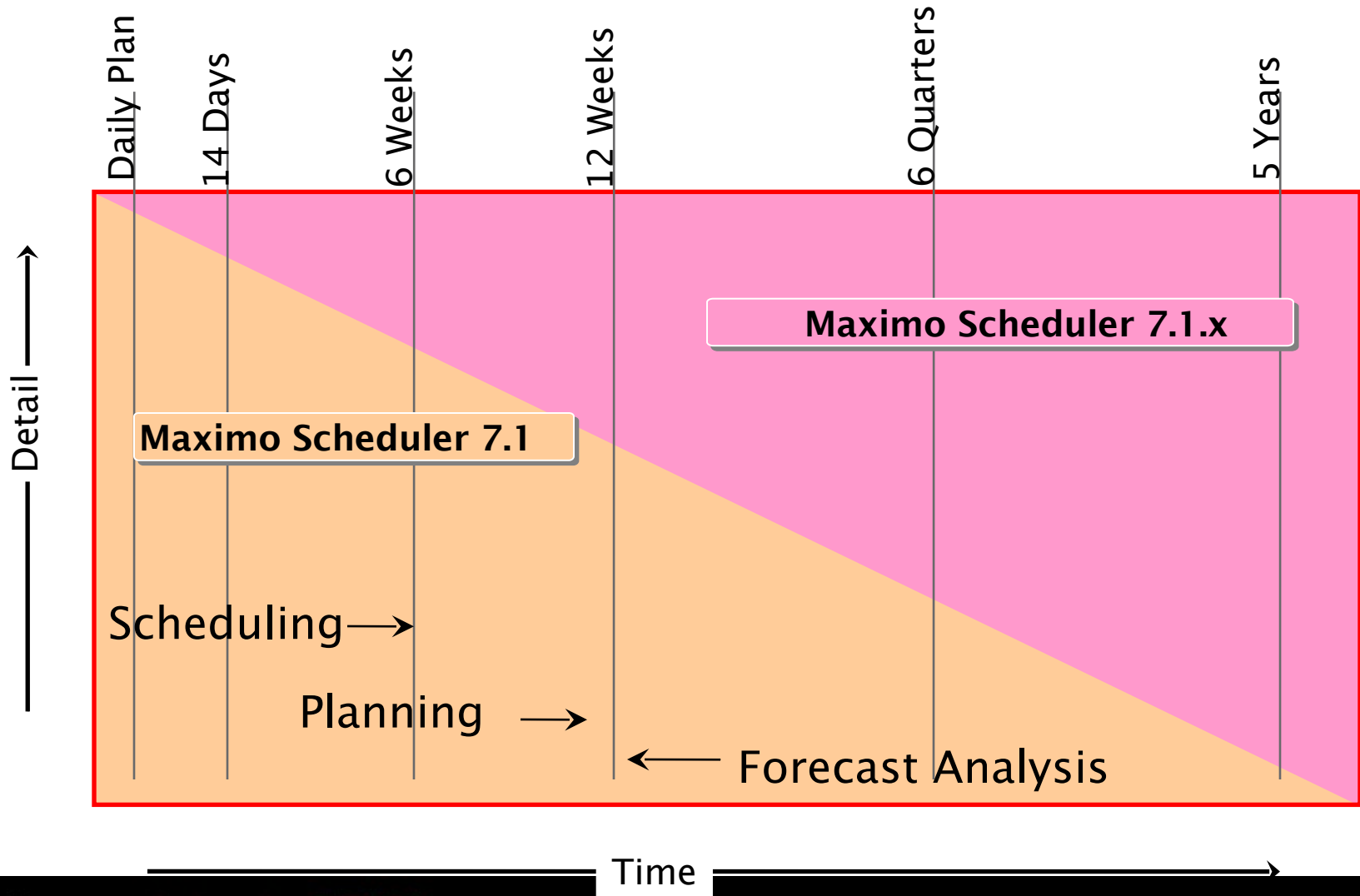




The Maximo Scheduling Riddle

- Maximo customers have wanted the ability to visualize work schedules and related labor resources
- Maximo customers want to be able to forecast work to be performed and the resources required to complete the work without creating the PM Work Order
- Customers want to be able to perform planning and scheduling tasks from within Maximo

Planning Horizon



PM Forecasting

- Part of Maximo Asset Scheduler 7.1.1 (1Q2010)
- Functionality to work in conjunction with Maximo Asset Scheduler 7.1
 - Single forecast for a PM
 - Utilizing the same PM criteria already used in the PM application
 - Definable (and modifiable) forecast range
 - Respects Seasonality, Hierarchy, Job Plan Sequence just as the current PM application does
 - Editable forecast dates
 - Cron task to leverage an automated means to maintain the “forecast window”
 - Stays in lock step synchronization with the generation of PM WO from the PM application

* Future Enhancements

PM Forecasting cont'd

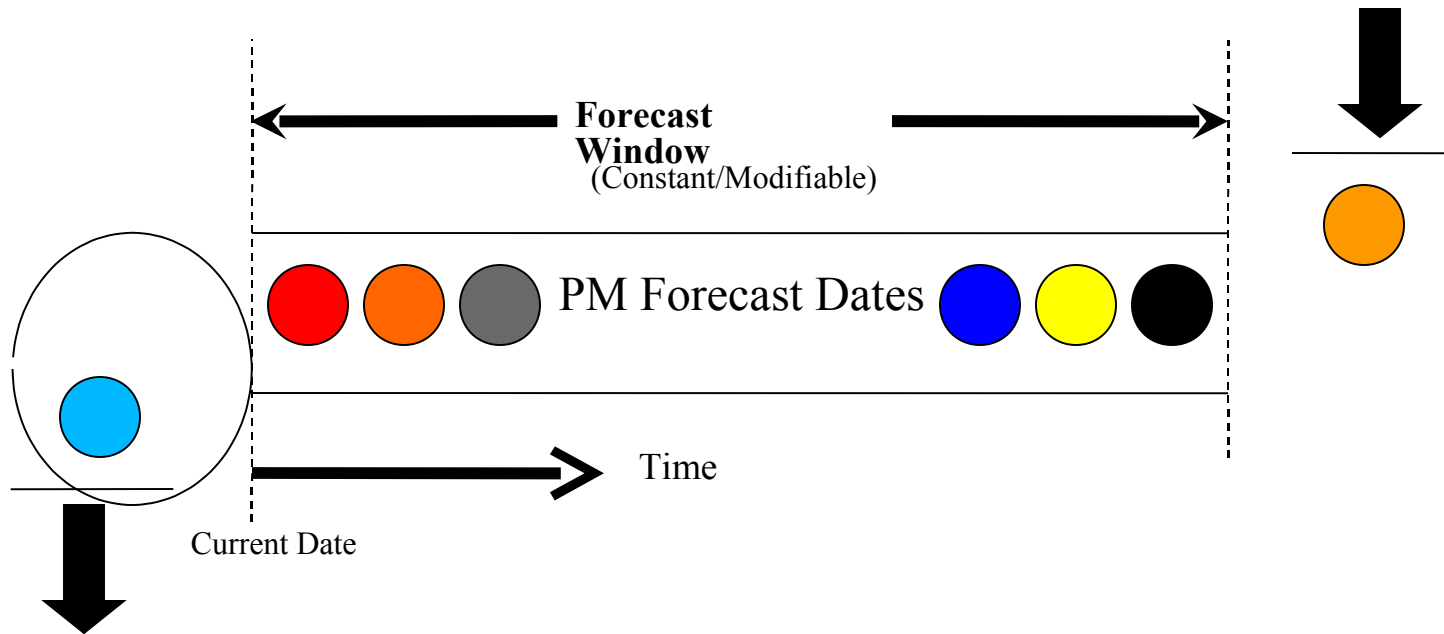
- Provide the ability to aggregate forecasts in the Scheduler Gantt view
 - View resources necessary to complete the forecasted work
 - Drag and drop PM Forecast Dates to dates where the resource demands can be better met
- View project work, regularly scheduled work, and future PM work all in the same Gantt view !!

* Future
Enhancements

The "Sliding" Forecast Window

The forecast window "slides" consistently with time, as current PM dates are consumed and new ones added ... the forecast window is automatically maintained

New distant forecast dates appended to the forecast



Current forecast dates for new PM Work Orders that are now due

PM Forecast

The screenshot shows a software interface for PM Forecast. At the top, there are tabs for 'List', 'PM', 'Frequency', 'Seasonal Dates', 'Job Plan Sequence', and 'PM Hier'. Below the tabs, there are input fields for 'PM' (containing 'PMP100PM') and 'Pump 100 PM'. The main area is titled 'Forecast Details' and contains a table with the following columns: 'Forecast Date', 'Job Plan', 'New Date', and 'Changed By'. The table lists several forecast entries, with the second entry highlighted. Red arrows point from text labels to specific parts of the table: 'Forecast Dates' points to the 'Forecast Date' column, 'Sequenced Job Plans' points to the 'Job Plan' column, and 'Altered Forecast Date' points to the 'New Date' column.

Forecast Date	Job Plan	New Date	Changed By
2/17/10	JP11430A		
5/18/10	JP11430A	5/19/10	WILSON
8/16/10	JP11430A		
11/14/10	JP11430		
2/12/11	JP11430A		
5/13/11	JP11430A		
8/11/11	JP11430A		
11/9/11	JP11430		
2/7/12	JP11430A		

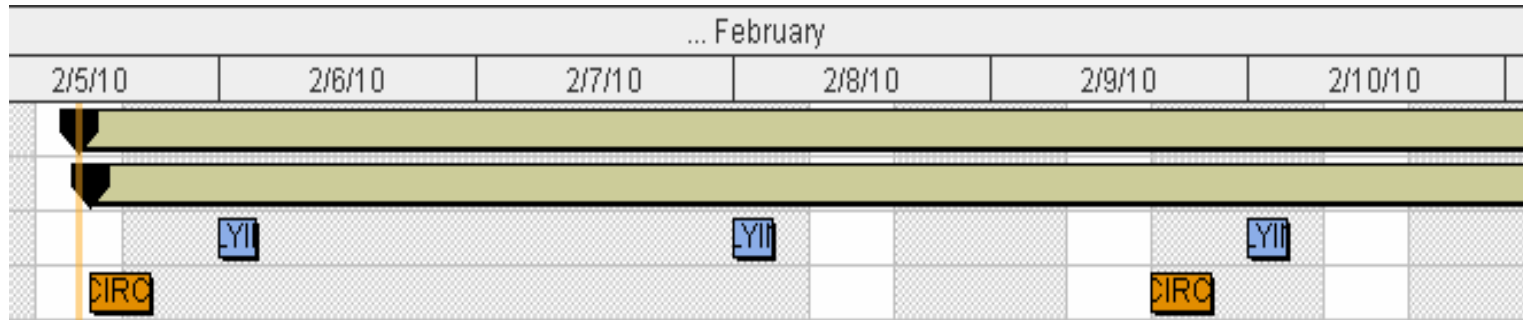
Forecast Dates

Sequenced Job Plans

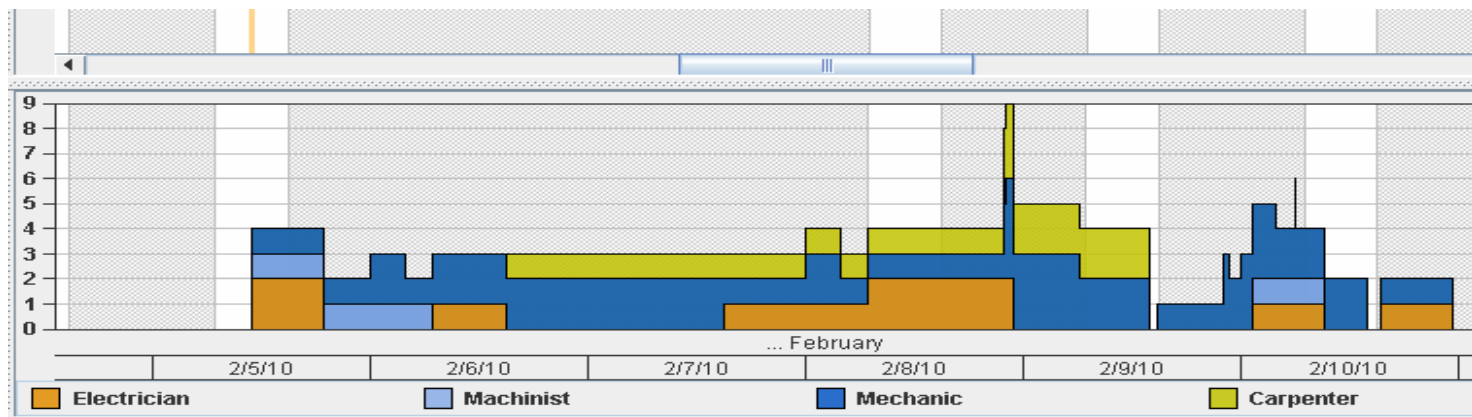
Altered Forecast Date

Gantt View of the PM Forecast

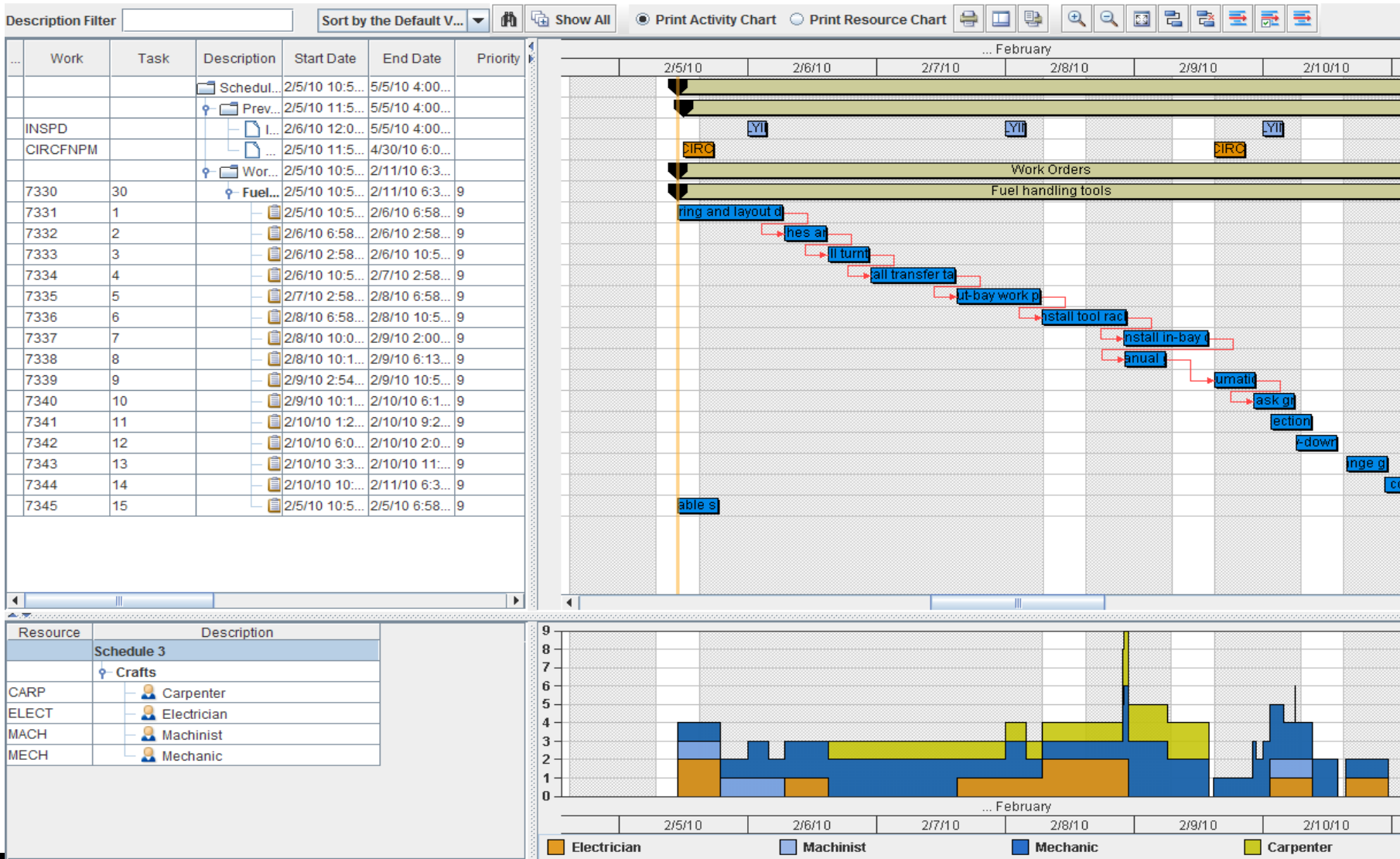
PM Forecast segments



Resources to do the work



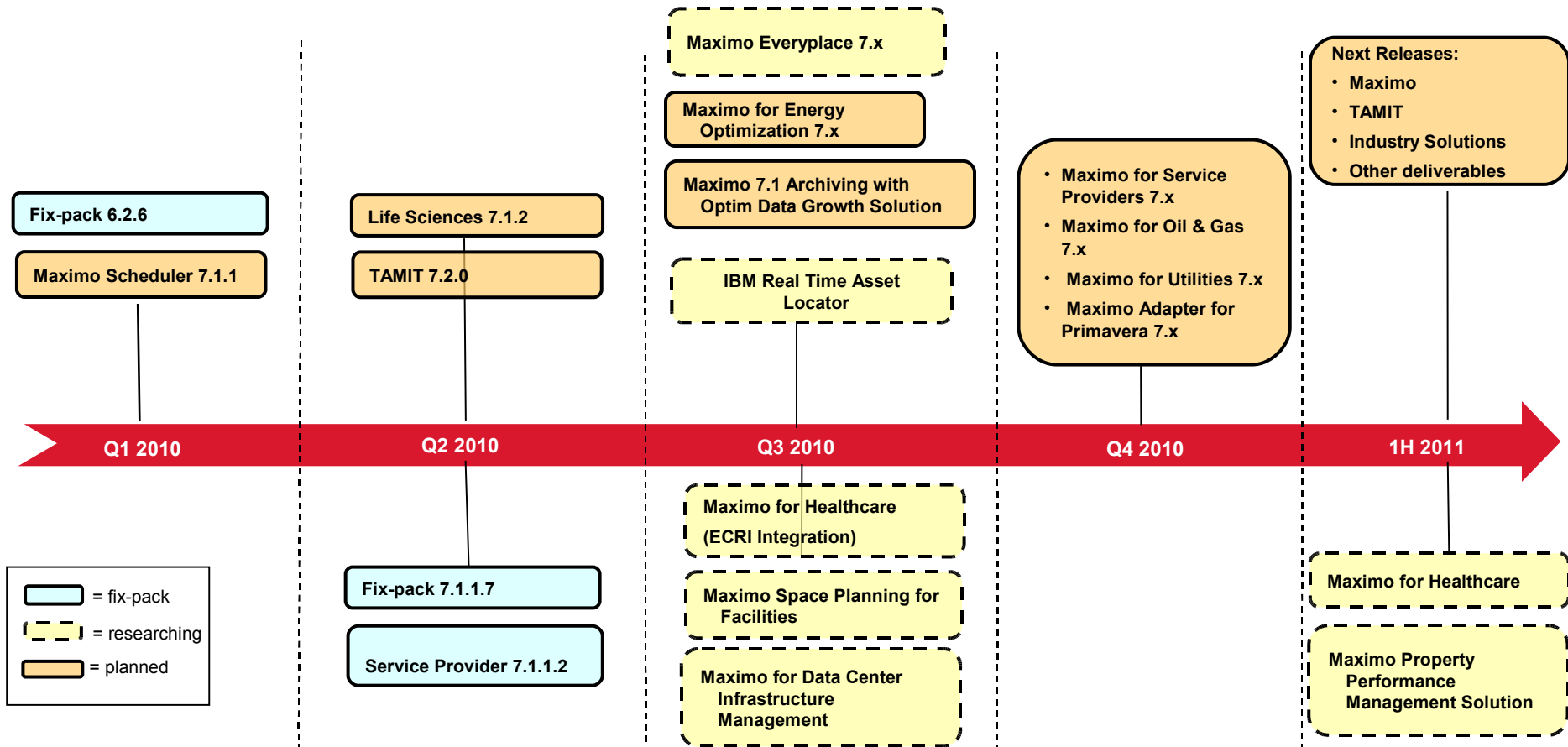
PM Forecast Gantt View



Product Roadmap 2010+



Maximo Asset Management Product Roadmap 2010 +



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Facilities Management – Space Planning

Integrated Computer Aided Facilities Management (CAFM) with Maximo Asset Management to address the challenges faced by Facilities Managers:

- Increased emphasis on employee mobility and flexibility
- Total cost of occupancy is an organization's 2nd largest cost
 - Reduce costs by managing occupancy levels
 - Track energy costs based on building usage/occupancy

Key Capabilities

- *Space Design, Management & Accounting*
- *IT Infrastructure Management*
- *LAN and telecom information*
- *Move Management*
- *Occupancy Management*
- *Business continuity and safety information*
- *Mechanical, Electrical, Plumbing*
- *Lock & Key Management*
- *Building Infrastructure Management*
- *Business Resumption/Contingency Planning*
- *Hazardous Condition Tracking*



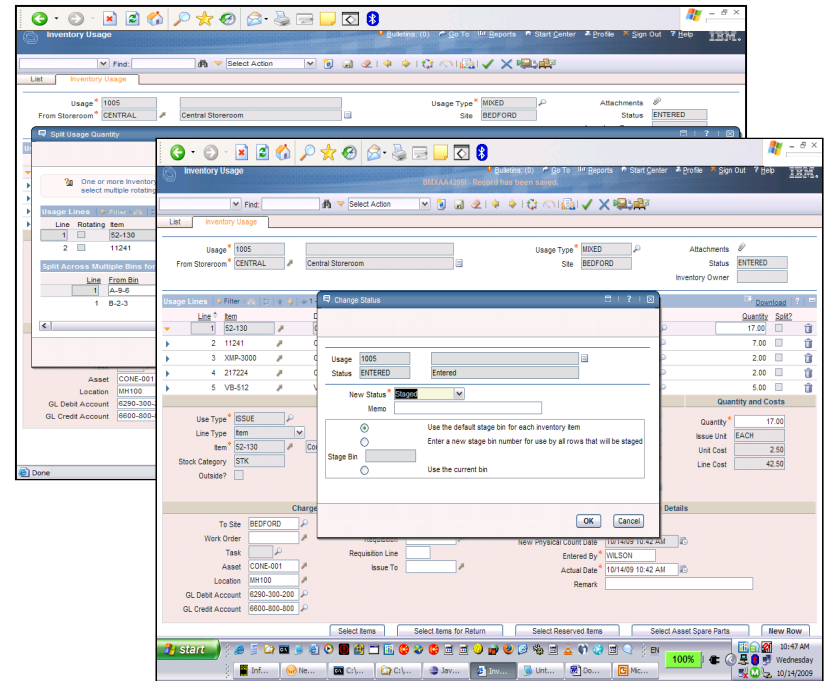
Moving from
Facilities Maintenance
to
Facilities
Management

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Maximo Asset Management Product Roadmap 2011

Maximo 7.x

- Inventory & Materials Management
 - LIFO/FIFO inventory costing
 - Hard/Soft Reservations
 - New Inventory Usage application (status-able document, used for Issuing & Transferring items)
- Enhanced Purchasing & Receiving
 - PO Revisioning
 - View Receipt lines from within PO
 - RFQ – allow item comparison (quotes) in base currency
- ERP Integrations
 - SAP
 - Oracle





IBM Technology

- Leverage other IBM products and technology to add-value and address customer requirements
 - Examples include:
 - WebSphere Sensor Events/Location Awareness Components
 - iLog – graphical controls, optimization technology, rules based decision engine
 - Optim – archiving and purge of Maximo data
 - FileNet – management of version controlled documents, attachments in Maximo
 - MDM – centralized data management repository, ‘owner’ of source data
 - Cognos TM1 – budgeting
 - ITM – system monitoring, Maximo agents
 - Lotus – SameTime (instant messaging) integration
- Continue platform support (extend and leverage additional functionality)
 - DB2
 - Websphere
 - Tivoli Access Manager

Report Upgrade Updates

- Maximo 5 and 6: Effective Third Quarter 2010, IBM will no longer distribute Actuate Products.
 - Current Maximo 6 customers have perpetual licenses for Actuate reporting and can continue to use the product in existing Maximo 6 installations
 - Additionally, clients could migrate to a different reporting tool thru an integration or Upgrade to Maximo 7
- Maximo 7: Effective First Quarter 2010, IBM will no longer distribute Actuate 9 Software for upgrading Maximo 7 Clients
 - Multiple report options available to clients in Maximo 7 including Cognos Reporting, BIRT and other integrations

Reference Maximo 7 Report Upgrade Planning Guide for more details on report options

Thank You....

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IBM Software

PCTY2010



Pulse Comes to You

