Maximo Soars to New Heights in the Aviation and Airport Industry – Session 5303A

Dave Dawson, Interloc Solutions Renea' Ghassedi, Reno-Tahoe Airport

Kristi Ledenbach, Interloc Solutions Rick Bain, Spirit Aerosystems



Interloc Advantage

- 100% Maximo IBM Premier Business Partner
- Gold Technical Accreditation across North America
- >100 employees with extensive Maximo Industry expertise:
- Community support- CanMUG, GOMaximo, MUWG, Tivoli User Community















IBM Recognized for Services and Products



2012 Winner x 2

- Best of Show for Mobile Informer
- Smarter Planet for Asset
 Management for innovative
 Maximo implementation at BART



2013 Finalist Beacon Award

 Best Solution for Managing the World's Infrastructure for Mobile Informer



2013 Winner

 ISM Library Solution Excellence

2013 Finalist

- Best Asset and Facilities
 Management for brand new
 Maximo Implementation at
 Encana
- Best of Show for Interloc Mailer



2014 Finalist Beacon Award

 Best Solution for MidSized Business – Oil & Gas Solution developed for Calgary Market



2015 Finalist Beacon Award

 Best Solution for Outstanding Software Delivery for Service Delivery and Management for Mobile Informer

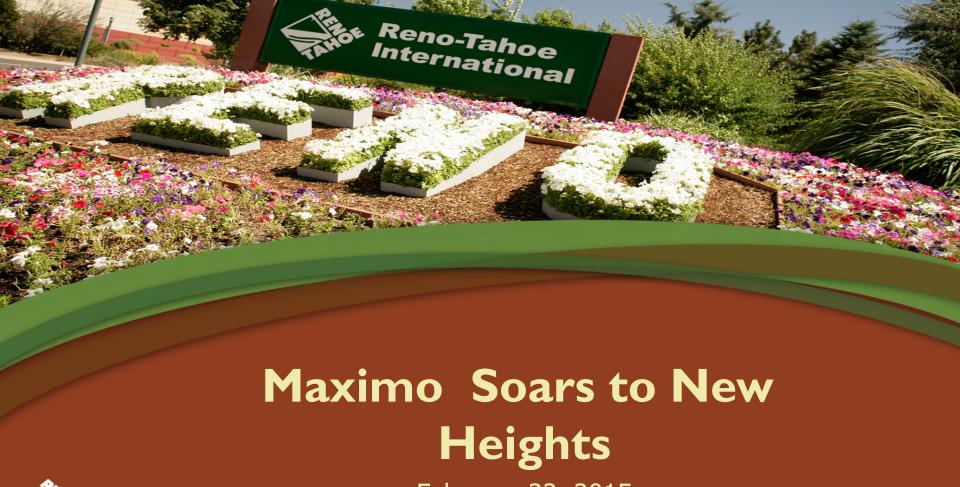


Interloc provides a full range of Maximo services

- Maximo Implementations, Upgrades...
- Business Process Improvements
- Industry and Maintenance Best Practices
- Data, System, & Performance Assessments
- Interface and Java Development
- Training, Administration, Reports...
- Hosting
- Maximo Software Sales & Support
- 24 x 7 Follow the Sun Live Support
- Mobility Solutions

Come see us at Booth P4





Reno-Tahoe Airport Authority February 22, 2015

Introduction

- * Renea' Ghassedi
 - Application Specialist
 - Worked for RTAA for 3 years
 - Born and Raised Nevadan!
- Reno-Tahoe Airport Authority
 - Quasi Government Entity
 - Reno-Tahoe International Airport
 - Reno-Stead Airport









Reno-Stead Airport

- 5,000 acre general aviation airport
- Former military base surrounded by BLM land
- Home of the National championship air races
- New terminal
 - 12,000 sq. ft.
 - Pilot's Lounge, EOC, Conference Room
- Attracting high tech UAS companies to Northern Nevada









Reno-Tahoe International Airport

- 62nd busiest commercial airport in the U.S.
- 10 passenger airlines serving RNO
- * 3 cargo airlines
- * 23 Gates
- 3 runways
- 3.8 million passengers per year
- 24/7 operation









Flights from Reno-Tahoe International Airport



Visit www.renoairport.com for an online searchable flight tool.

Notable Reno-Tahoe Companies







SCHEELS.





























gsi commerce®







Whisper Jet Helicopters







How and Where is Maximo Used?

- Reno-Tahoe International AirportReno-Stead Airport
 - Airfield Maintenance
 - Building Maintenance
 - Facilities
- Modules Used
 - Assets
 - Job Plans
 - PM Work Orders
 - Transportation (New!)
 - Work Order Tracking









How and Where is Maximo Used?

- ELS (Elite Line Services Company)
 - Third-Party Company
 - BHS Operations
- Modules Used
 - Assets
 - Inventory
 - PM Work Orders
 - Purchasing
 - Work Order Tracking





Maximo 6.2 Environment

- Stand-alone Microsoft Windows Server 2003 SP2
- Microsoft SQL Server 2000
- * IBM WebSphere Application Server 6.0
- BIRT reporting server installed
 - Never fully used





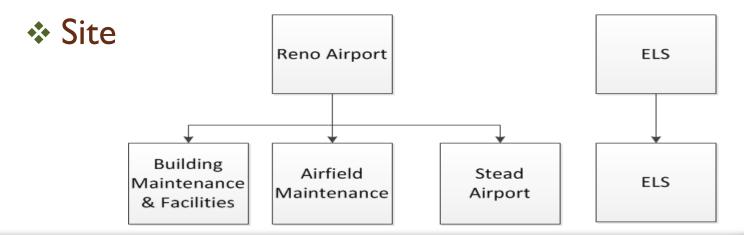






RTAA Project Scope

- Upgrade Maximo
 - Install the latest version of Maximo in a virtual environment







RTAA Project Scope

Enhance our data standards

Add/Delete		Work Order Required Fields			
•	Craft Codes		Work Type		Work Group
•	Asset Classifications		GL Account #	•	Location and/or Asset
•	Clean-up Assets & Locations				
	Failure Codes				

- Create an integration between Fuelmaster Plus (Syn-Tech Systems) and Maximo
- Assistance with upgrading existing reports to new Maximo version
- Assistance with testing & go-live





New Maximo 7.5 Environment

- VMware vSphere 5.1
- Microsoft Windows Server 2008 R2
- Microsoft SQL Server Standard 2008 R2
- IBM WebSphere Application Server 7.0





RTAA Upgrade Highlights with an Interloc Solutions Partnership

- Upgraded Maximo 6.2 to 7.5.0.6 using IBM Upgrade Utility (on a SQL Server database)
- Customized work order tracking screens
- Configured email listener application for creating service requests in Maximo
- Interloc split the 1 site into 3 sites (i.e. creating a Multi-Site configuration in Maximo)





RTAA Upgrade Highlights with an Interloc Solutions Partnership

- Created/configured/moved items to the appropriate sites and locations, using CSV input files and the Maximo 7.5 export/import feature
 - Asset records
 - Location records
 - User records
 - PM records

- Job Plans
- Person Groups
- Component Codes





RTAA Upgrade Highlights

with an Interloc Solutions Partnership

- Installed and configured Transportation 7.5.1
- Created custom Fuel Master interface for importing asset MILES and HOUR meter data into Maximo
- Installed and configured BIRT tool for report development
- Conducted Maximo system administrator and end user training





Lesson Learned with an Interloc Solutions Partnership

- * Run through the upgrade process start to finish more than once.
 - Keep accurate records of how to fix the integrity errors
 - This is the BIGGEST reason why the upgrade went so smooth.
- Explain to the stake holders what to expect when we transferred the data to the new sites.
 - Work order history missing
 - PM's not generating correctly





Lesson Learned

with an Interloc Solutions Partnership

- Do More Testing with users and their assigned roles
 - Security was a huge challenge
- If mulit-site exists PMWogen Cron will need to be configured for mulit-site use.
 - Make sure the "Where" clause is added to the PM options for each site
- Make another username for Cron tasks.
 - This way the Cron task is not dependent on the Admin account.
 - Example: MaxCron





Lesson Learned with an Interloc Solutions Partnership

- Problems with upgrading SQL 2000 database to SQL 2008 database
 - Make sure the .bak file does not get corrupted in the Copy and Paste move.
- It is recommended to run Maximo 7.5 with IE only
 - Google Chrome and Firefox have printing/display issues















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Rick Bain, Spirit AeroSystems



SpiritAero: Who we are

Largest non-OEM designers and manufacturers of aerostructures for commercial, military and business regional jets in the world.



Largest global design and manufacturer of aerostructures



SpiritAero Mission



Long-term value creation by providing industry-leading aero structures and systems achieved through competitive cost and product leadership, derived from our people, knowledge and technology



SpiritAero Profile

- Home Base: Wichita KS
- Responsibilities:
 - Builds fuselage sections for all current Boeing program
 - Home of nacelle production for 737, 747, 767 and 777 airplanes
 - Strut/pylon production for 737, 747, 767 and 777 as well as the Bombardier CSeries and the Mitsubishi Regional Jet



Spirit supports a wide variety of major OEM product lines



SpiritAero is Dispersed

- 25 sites
- 4.3 million Work Orders total; 500,000 Work Orders per year
- 235,821 Assets
- 234,013 Inventory items



Maximo is used to track and manage Spirit assets



Safety Matters

Why Maximo?

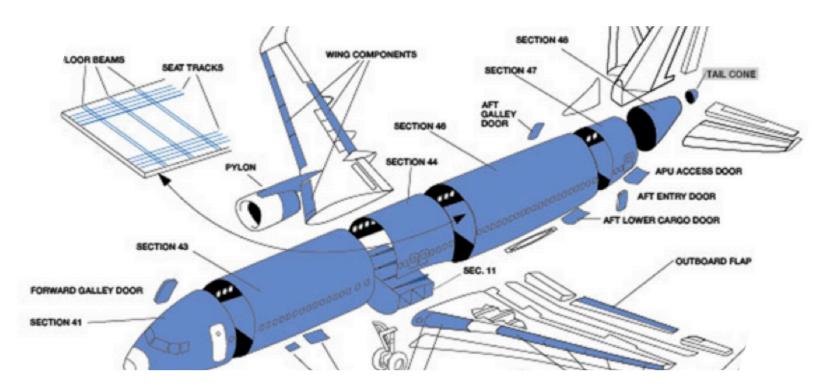
Spirit uses MAXIMO to ensure compliance and accuracy in maintaining the equipment in manufacturing environment



Maximo tracks maintenance and compliance to ensure safety



Asset Examples





A Long History of Maximo





2014 Maximo 7.5



2006 Maximo 6.2

6.2 to 7.5 Upgrade Notes:

- Primarily technical upgrade with minor process changes
- Project completed by year end 2014
- Partnered with Interloc

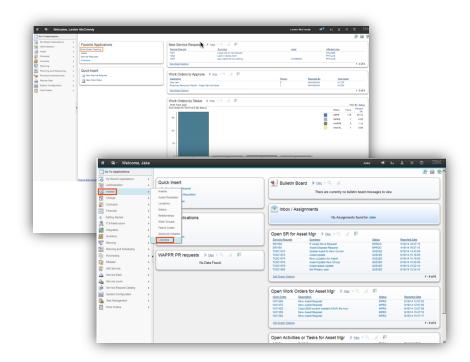
2000 Maximo 4.1

Spirit has a long history with Maximo



Maximo Is Pervasive

- Both IT & Enterprise Assets
 - All facilities locations & equipment
 - IT help desk
 - Change and release process for software
- Calibration add-on
- SCCD
 - Beginning to use



Spirit leverages Maximo's functionality throughout our operations



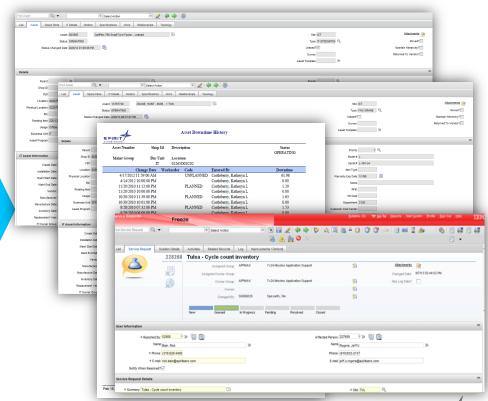
Maximo @ SpiritAero

- Assets
- Specifications
- Reporting

Example: Downtime History

Changes requested through Service Requests.

Deployment from Development, Test to Production.



Screens and reporting can be customized to fit differing needs – Utilizing standard Change, Release processes



Challenges

- Simultaneous WebSphere and Oracle upgrade
- Time Limitation
 - Started (05-22-2014) with a Deadline of 12/31/2014
- Concurrently undergoing "IT Transformation"

Multiple technology and transformation activities increased complexity



Lessons Learned

- Use the same vendor for dependent tasks
- Provide a multi-step upgrade path when required
- Minimize or freeze changes in existing version
- Engage a Project Manager for discipline and reporting
- Ensure dedicated resources are available for upgrade
- Ensure the customer is engaged and supports activity
- Allow time for Business Process changes as part of upgrade



Next Steps

- Archiving
- Expanding use of Smart Cloud Control Desk overall
 - IT Assets functionality, Change in Release functionality,
 IT Help Desk
- Use Maximo to replace existing legacy systems
- Extend Maximo with Mobile function
 - Interloc Mobile Informer pilot



Thank you & Questions

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