

The New Salt Lake City International Airport Enterprise Asset Management System *From 0 to 60 in Eighty Days*



Introductions



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Rethinking Asset Management



The Project Facts and Figures



Project: Maximo EAM Implementation with Arora ATLAS Mobile

Location: The New Salt Lake City International Airport

**Maximo and Mobile Supplier/Implementer:
EDI an Arora Company**

Key Benefits, Increased Ability To:

Track Overall Maintenance, Track Inventory, Increase Wrench Time, Extend Asset Life, Maximize Lifecycle Costs and Utilize Staff More Effectively

Most Noteworthy:

Key components of system went live in less than 90 days after purchase, in time for opening of new terminal

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The Project Facts and Figures

Maximo is Managing a Significant Number of Diverse Assets that are Critical to airport Operations Including:

- 4 Million Square Foot Facility
- 10 acres of Terrazzo
- 7 Miles of Baggage Conveyor Systems “1961”
- 67 Gates
- 1800 CCTV Cameras
- 49 Elevators; 29 Escalators; 18 Moving Walkways
- \$4.1 Billion Design and Build Cost

IBM maximo

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Project Detail

- Address Seismic Risk
- Provide Right-Sized Facilities
- Solve Operational Problems
- Improve Customer Service
- Accommodate Growth
- Maintain Competitive Cost
- Phase Implementation



Initial Project Hurdles



Explaining that a \$2.5 million EAM implementation is allowing SLC to collect and manage data that helps and reducing the time and resources spent maintaining a wide variety of assets—everything from large air-conditioning systems to individual holdroom seats.

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Equipment Not Previously Tracked/Maintained

- **Cooking Waste Oil Transmission System**
- **VDGS – Visual Docking Guidance System**
- **IT Assets – Refresh/Replacement Schedule**
- **AMS – Airflow Measuring Stations**
- **Differential Pressure Transmitters**
- **CTFS, IHS, FOSS, Flue Gas Economizers, etc...**
- **IDEC Air Handling Units**
- **Airfield Assets – Grass/Rock Islands/Safety Area**

Maintain What!!!!!!!

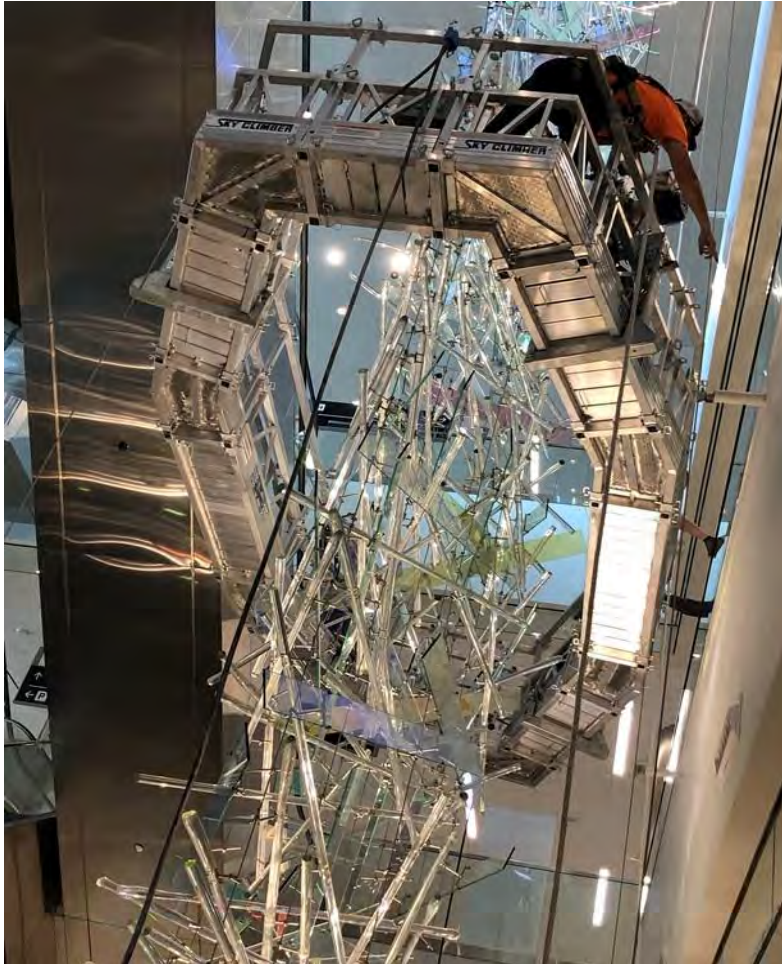


Challenges in Maintaining Over \$ 100,000,000.00 Worth of Artwork

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Innovation In Maintenance



“Innovation is taking two things that exist and putting them together in a new way”

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How Mobile Applications Can Make Life Easier

- **Eliminates the Need to Use/Store Physical Copies of All Inspections and Maintenance Activities**
- **Provides a Great Visual Reference for Inspectors/Maintainers**
- **Limits the Time Spent on Re-Occurring Trips to the Shop**
- **Information Can be Obtained While in the Field**

Electronic Twin Pre-Digital Twin

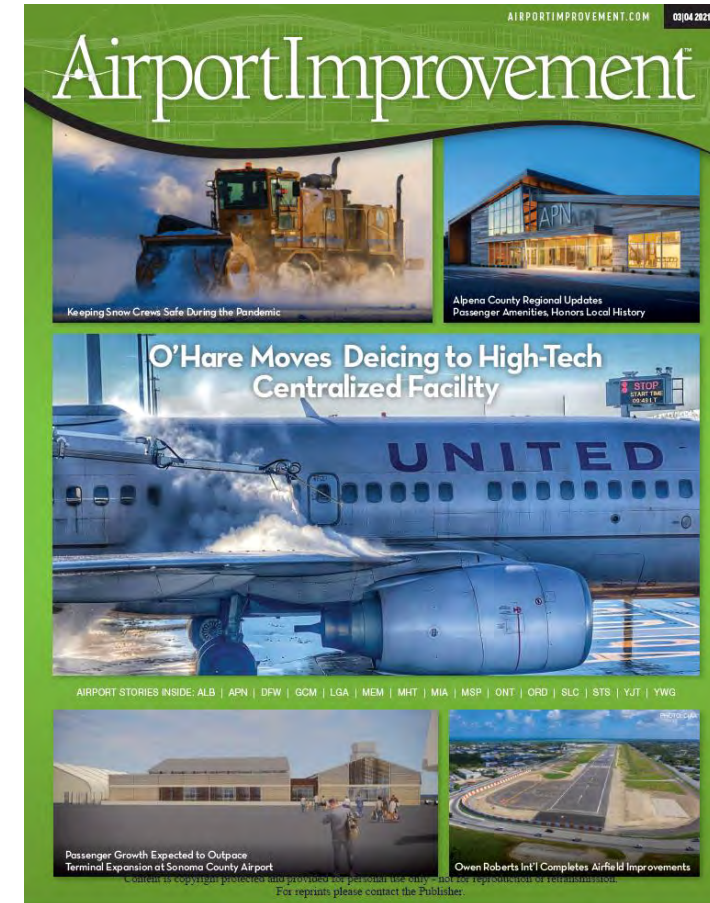
- Convert Every Building Plan Page to a Text File
- Input Equipment Parameters to Recognize the Asset Tag
- Convert Into the Maximo Import Template Separated by Building/System
- Run that Equipment Asset List Against the Building Plans to Capture and Link Every Document

*Allows Each Technician to See Exactly How Each System
Was Installed and Where it is Fed From*

March-April Airport Improvement Magazine



When Salt Lake City International (SLC) opened the first phase of its \$4.1 billion redevelopment program to passengers in mid-September, airport officials understood the importance of making the most of that investment. So, they took the uncommon opportunity of having a fresh, new facility to simultaneously implement a fresh, new approach to asset management.



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Key Points Challenges That Were Overcome

- **Client was up against the wall as the terminal was opening and the procurement process took months longer than expected. However, the SLC and EDI Team were able to meet the needs of the airport. This implementation is one of the first Maximo Implementation to go live in under 90 Days**
- **This effort was completed even with all the additional safety logistics due to COVID**
- **Client was able to get real ROI in a very short period (Less than 90 Days)**
- **System met all FAA regulatory requirements on day 1**
- **System adheres to ISO-55000 Standards**
- **Although COVID had a serious impact to airport operations, the Maximo implementation afforded the airport the ability to do more with less, while maintaining a high level of customer service**

Thank You



Questions

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