



UNIVERSAL STUDIOS  
HOLLYWOOD

TM&©

The Shift to Simple and Efficient Maximo  
Meter Readings

The logo for Universal Studios Hollywood is displayed in a bold, 3D, gold-colored font. The words "UNIVERSAL STUDIOS" are on the top line, and "HOLLYWOOD" is on the bottom line. The letters are set against a background of a blue globe showing the Americas, with a bright sun or starburst effect in the upper left corner. A small "TM&©" trademark symbol is visible at the bottom right of the word "HOLLYWOOD".

# UNIVERSAL STUDIOS HOLLYWOOD

## Who is Universal Studios Hollywood?

- Universal Studios Hollywood is a themed entertainment destination in Hollywood, CA
- Universal Studio Hollywood is known for its immersive movie-themed attractions
- It is one of the oldest film studios in use and is the 1<sup>st</sup> of many Universal Studios Theme Parks around the world

# Maximo at Universal Studios Hollywood

---

Universal Studio Hollywood has been a Maximo user since 2000, Version 4.03. In 2014, we upgraded to version 7.5. In 2018, we advanced to version 7.6. We are now on version 7.6.1.2 and are planning to move to MAS 8.0 soon

---

In 2002, Universal Studios Hollywood began the use of Mobile technology for inspections and has continued to develop and expand our Mobile use as Mobile technology has evolved and our requirements have increased

---

Maximo is currently used for work management, inspections, asset management, purchasing management and inventory management, and is rapidly moving from a primary tool for our Technical Services teams to a full Enterprise solution

---

We currently have Maximo rolled out at five theme parks worldwide. At Universal Studios Hollywood, Maximo is in use at approximately 11 ride venues, as well as in countless areas and facilities

# What was the Problem?

---

Universal Studio Hollywood has a long-standing ride maintenance requirement for meter-based PMs (for ride cycles) that was being handled with a very manual process prior to our adoption of MXMeter

---

In addition, there is an ongoing, longer-term goal to move from time-based PMs to meter-based PMs wherever possible (projector lamp inspections, etc.)

---

We also wanted the flexibility to assign meter readings to any team member, regardless of whether they were the assigned inspector, to push required meter readings to the devices by Crew using shared queries and to see those readings in real time against the Asset in Maximo with Date/Time and User stamp

---

This was a huge step in pushing yet another manual process simply and efficiently into Maximo, and allow us to automate the connection between the meter readings and generating PMs



# Why MXMeter?

---

Almost immediate implementation of MXMeter (Functional Demo Tested < 5 Minutes, met all requirements), with a minimum of IT Team effort required

---

Provided a simplified, improved process and beautiful User Interface, Including Shared Query support

---

Training for even the most technology-challenged Technician in < 5 Minutes

---

---

Quick seamless Integration with Maximo, Zero Performance Issues

---

---

Provides capability to expand into full Condition-Based Maintenance Model to mitigate downtime, and help to ensure Ride Safety Compliance, as well as eventually take readings directly from Assets from sensors, etc.

---

---

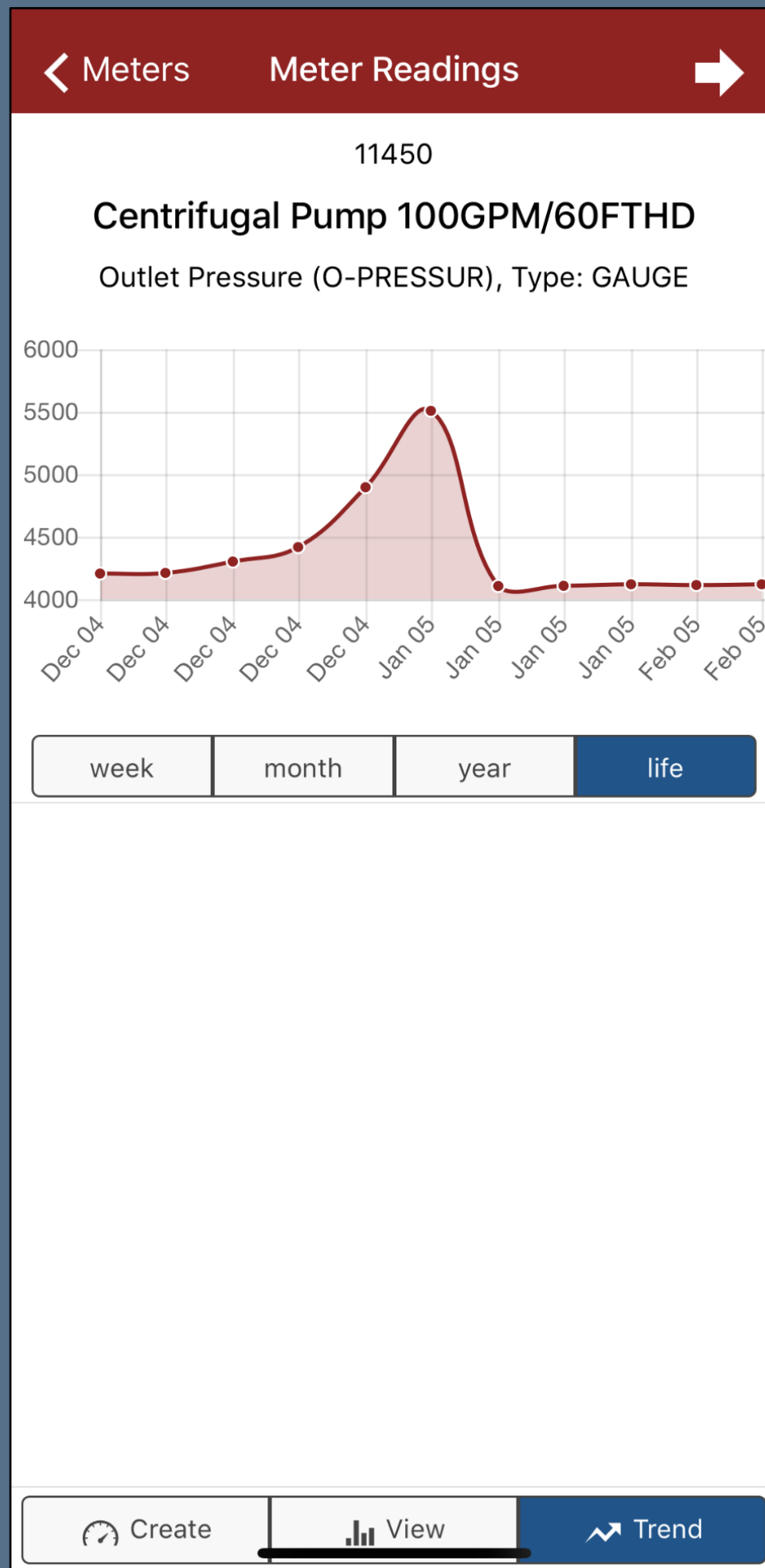
In addition, A3J Group LLC offered tremendous support to Universal Studios Hollywood and made themselves available consistently to make the Project Succeed. They Still Do!

Please Welcome Hunter Jones from A3J LLC to discuss the next steps, “How to Achieve Condition-Based Monitoring Effectively”

# Manual Meter Readings

- Enter meter readings against assets to populate historical data
- Assess asset condition based on historical data over time
- Create Upper and lower warning and critical limits drawn from historical data and asset performance
- Configure Maximo to automatically generate Work Orders when asset is out of upper or lower limits you have established

The screenshot shows a mobile application interface for manual meter readings. At the top, there is a red header bar with a back arrow, the word "Search", the word "Meters", and "2 of 6". Below the header, the asset name "Centrifugal Pump 100GPM/60FTHD" and its ID "11450, BR450, 377-9B" are displayed. The first section, "Outlet Pressure (O-PRESSUR)", shows a "Meter Type: GAUGE", "Last Reading: 4,119 PSI", "Last Reading Date: Feb 9, 2005 8:15:00 AM", and "Inspector: Mike Wilson (WILSON)". It also indicates "Meter 1 of 2" and has three icons: a gauge, a bar chart, and a line graph. The second section, "Run Hours (RUNHOURS)", shows a "Meter Type: CONTINUOUS", "Last Reading: 3,941 HOURS", "Last Reading Date: Feb 3, 2005 8:33:24 PM", and "Inspector: Mike Wilson (WILSON)". It also indicates "Meter 2 of 2" and has the same three icons.



## How to achieve CBM effectively



Capture meter readings to build asset history



Identify and monitor leading indicators of failure



Use the leading indicators to create key performance indicators or KPI's for the asset



Determine the asset's critical performance measurements



Set accurate operating ranges in Maximo



Set Maximo to automatically generate PM's if the Asset performs out of range



## Work and Asset Management



Enter labor time  
Submit material use  
Work order tracking  
Perform inspections



Create new readings  
GPS route coordinates  
View history graphically



Create assets in location  
Conduct inspections  
View parts, meters,  
history, and attachments

## Inventory Management



Perform physical counts  
Create inventory images  
Search by item, bin, or count date



Receive Items  
Print and affix labels in location



Issue Parts  
View usage, line, item,  
description, and bin

## Additional Apps



Reject  
Accept  
Reassign  
Optional push  
notifications



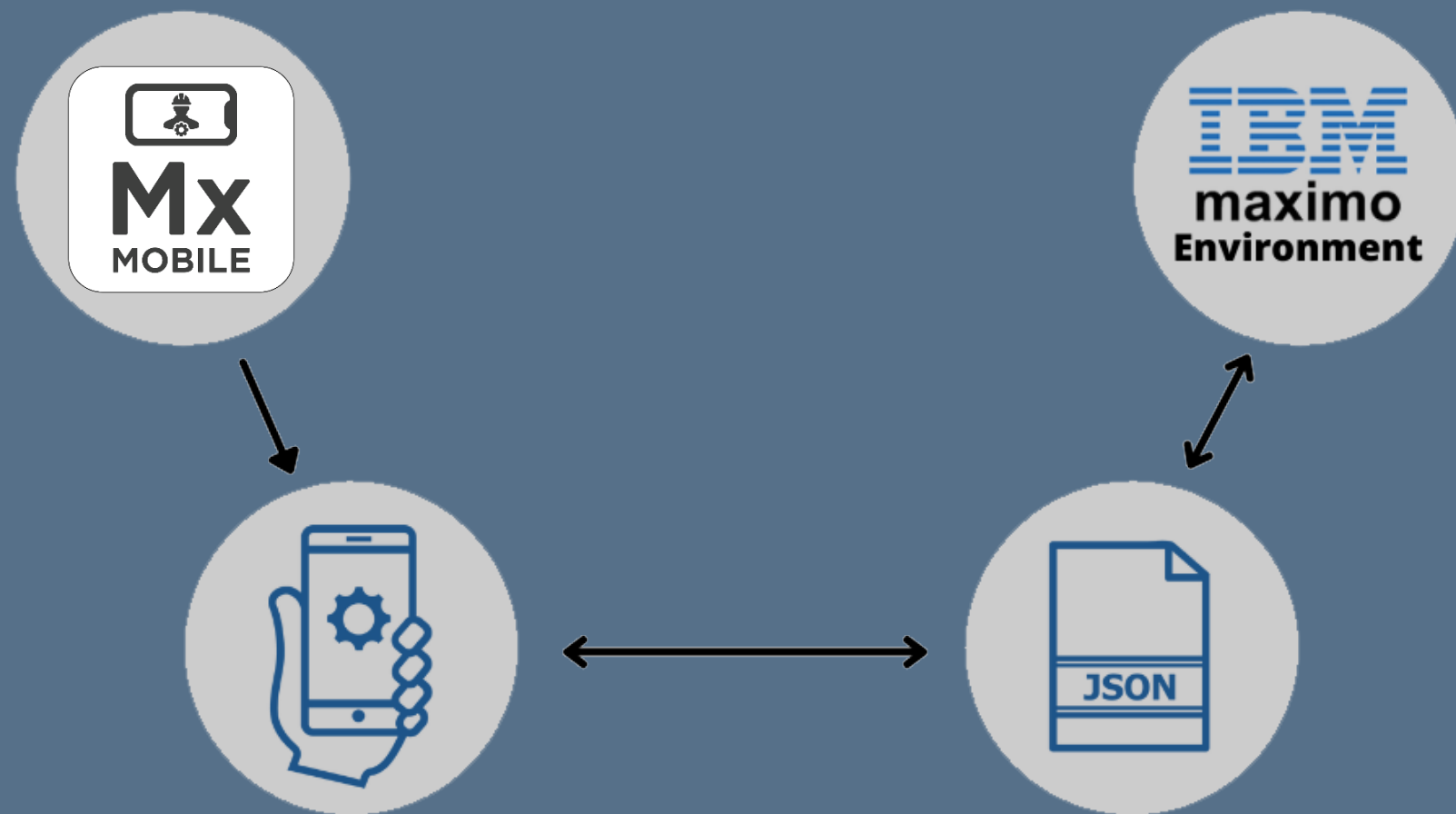
Create service  
requests via  
asset or location



IT asset tracking  
IT asset ticketing



# How does it work?



DOWNLOAD TODAY!



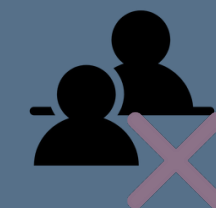
PLUG AND PLAY

- MxMobile is ready to be used inside your Maximo instance within minutes



ONLINE & OFFLINE

- Continue working offline
- Info loads back to Maximo when reconnected



NO CONSULTING

- Configuration included in license share
- No downtime when upgrading versions

# Closing Thoughts

---

Universal Studio Hollywood now has the ability to generate insightful data based on meter readings

---

This data can be used to automate WOs based on critical upper and lower warning limits

---

These WO's can mitigate downtime and increase meantime-uptime

---

This process fuels future data research and safety protocols for maintenance and at an organizational level

# Questions?

Please contact:

- [maureen.holland@nbcuni.com](mailto:maureen.holland@nbcuni.com)
- 1-818-395-9517
- info@a3jgroup.com
- 1-877-235-4774
- A3jgroup.com/contact

