DRIVING ASSET MANAGEMENT

FORWARD

International Organization for Standardization
ISO
9001

IBM
Gold
Business Partner

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Maximo MAStermind Hackathon

Awards Ceremony

November 17, 2023

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THANK YOU.

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THE JUDGES

Cynthia Ahr

Arrow Electronics

Edward Warnick

IBM

Steven Shull

IBM

Terrence O'Hanlon

Reliabilityweb

Maura Abad

Reliabilityweb

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QUICK OVERVIEW

104 Participants

22 Teams

7 Coaches

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IN TWO WEEKS…

We **WORKED** together to improve our MAS Knowledge.

We **EXPLORED** the new capabilities of the application suite.

We **IDENTIFIED** solutions that can be used to close the gap between available technologies and maintenance operations.

We **BUILT** models for problematic assets to proactively improve and manage their health.

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KEY TAKEAWAYS

1. Training and education on MAS is absolutely critical to future successes.
2. We discovered that the new system is not intimidating and looks similar to previous versions.
3. Inspection forms are a useful tool to gather data in a more efficient manner.

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KEY TAKEAWAYS

4. Differences between Maximo 7.6.1 Asset Heath Insights and MAS Health require additional translation and conversions of equivalent configuration components to achieve the same functionality.

5. We learned how to connect devices in Monitor and create dashboards for process data.

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KEY TAKEAWAYS

6. Achieved a notable decrease in unplanned downtime, resulting in higher asset uptime.

7. Quality, integrated meter data and data analyst skills are desirable for configuring meaningful Health scores.

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AWARD CATEGORIES

Most Creative

Alignment with Uptime Elements

Most Insightful Dashboard

Ease of Use

Best Predictive Maintenance Application

*Project awards determined by objective representatives from IBM, Arrow, and Reliabilityweb

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FINALIST PRESENTATIONS

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TEAM UPS

Yogesh Bhatt, Steve Tokic, Heidi Schwake, Rita Effio, Michael Fletcher, Michael Jakubowski, and Christi Moseley

PROJECT GOAL: Create a predictive maintenance dashboard based on an 'ease of use' principle.

ACCOMPLISHMENTS: We successfully created a dashboard that would mimic what we would want to see in our own organization. While the actual data presented in the dashboard does not reflect the predictive nature we were looking for, we gained a clearer understanding of the process and how we will be formatting in the future.

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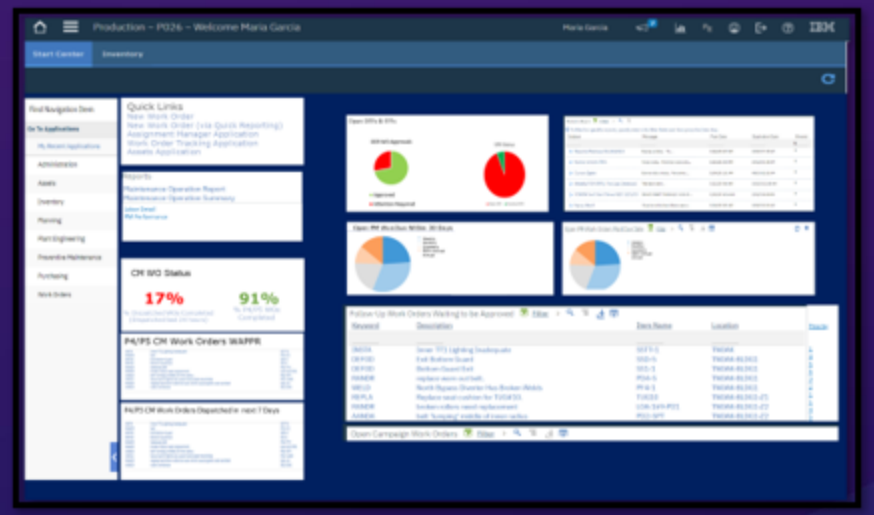
TEAM UPS

Current Setup / Proposed Setup

Current Start Center



Internally Proposed Start Center

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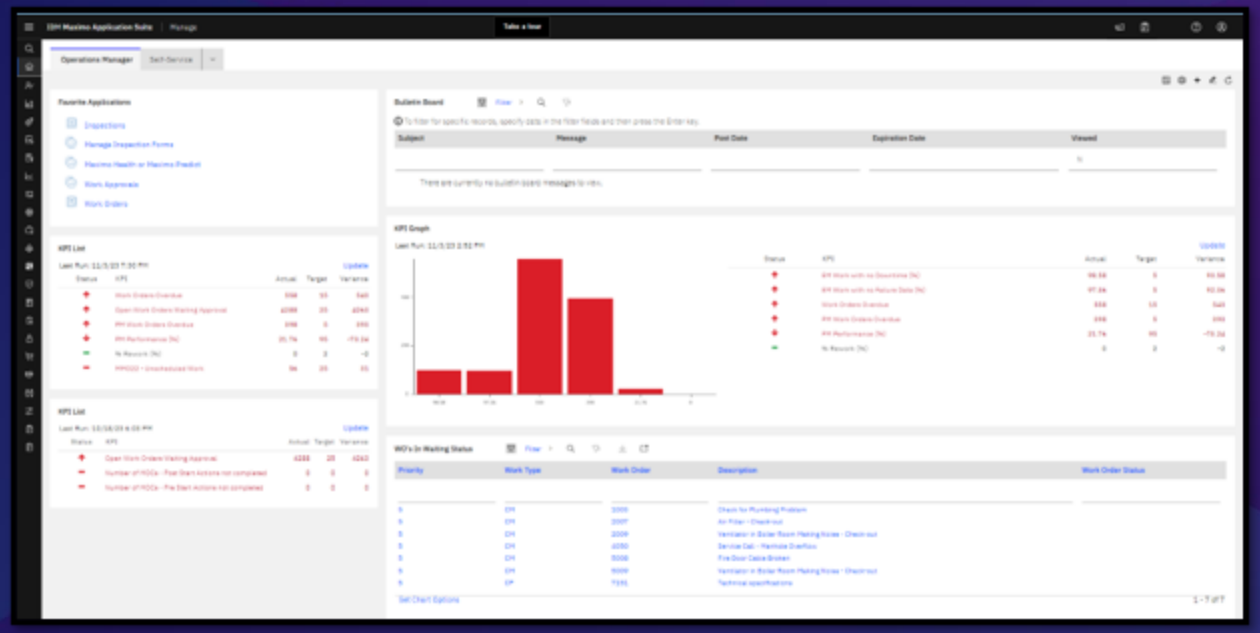
TEAM UPS



PMI Inspection Form

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TEAM ASSET ALCHEMISTS

Julia Bales, Lynne Waldron, Cecilla Goergen, Jason Garlow, Gwen Colbeth, and Nat Landin

ACCOMPLISHMENTS: Creating the Maximo Life Cycle for our fleet - Locations, Item Master, Asset Template, Assets, Rotating Assets, Job Plans, Storerooms, PMs, Meters, Purchasing, Work Order Tracking, Start Center portlets.

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TEAM X MARKS THE SPOT

Kim Johnson, Kathy Seabrook, Julio Orozco, and Morgan Mosley

ACCOMPLISHMENTS: We used new functionality and had a chance to create inspection forms, crews, and use graphical scheduler to manage our workorder backlog.

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TEAM DALLAS ALL-STAR

Dionne Ritter, Victor Bosh, and Elizabeth Martinez

ACCOMPLISHMENTS: This process would allow for proactive replacement before asset reaches failure. Identifying assts manufacturers/models that are not economical/viable replacements; providing database arguments to decision-makers on what to and not to purchase.

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TEAM HEALTH HACKERS

Jennifer Lawrence-Jones , Fredrick Ndwaru, and Megha Tatiya

ACCOMPLISHMENTS: Determined the asset characteristics on an asset that affects it's health. Then defined characteristics meters and domain values with possible asset conditions. After which, mapped the meters to contributors to create scoring methods.

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TEAM MM019

Alexandru Vulpes and Sayed Saeed

ACCOMPLISHMENTS: We started by creating a basic data model in Manage, but without focusing too much on Manage. We improved the ability to early identify poorly maintenance assets using the scoring rules. We improved the visibility of the process data by creating a dashboard in Maximo Monitor.

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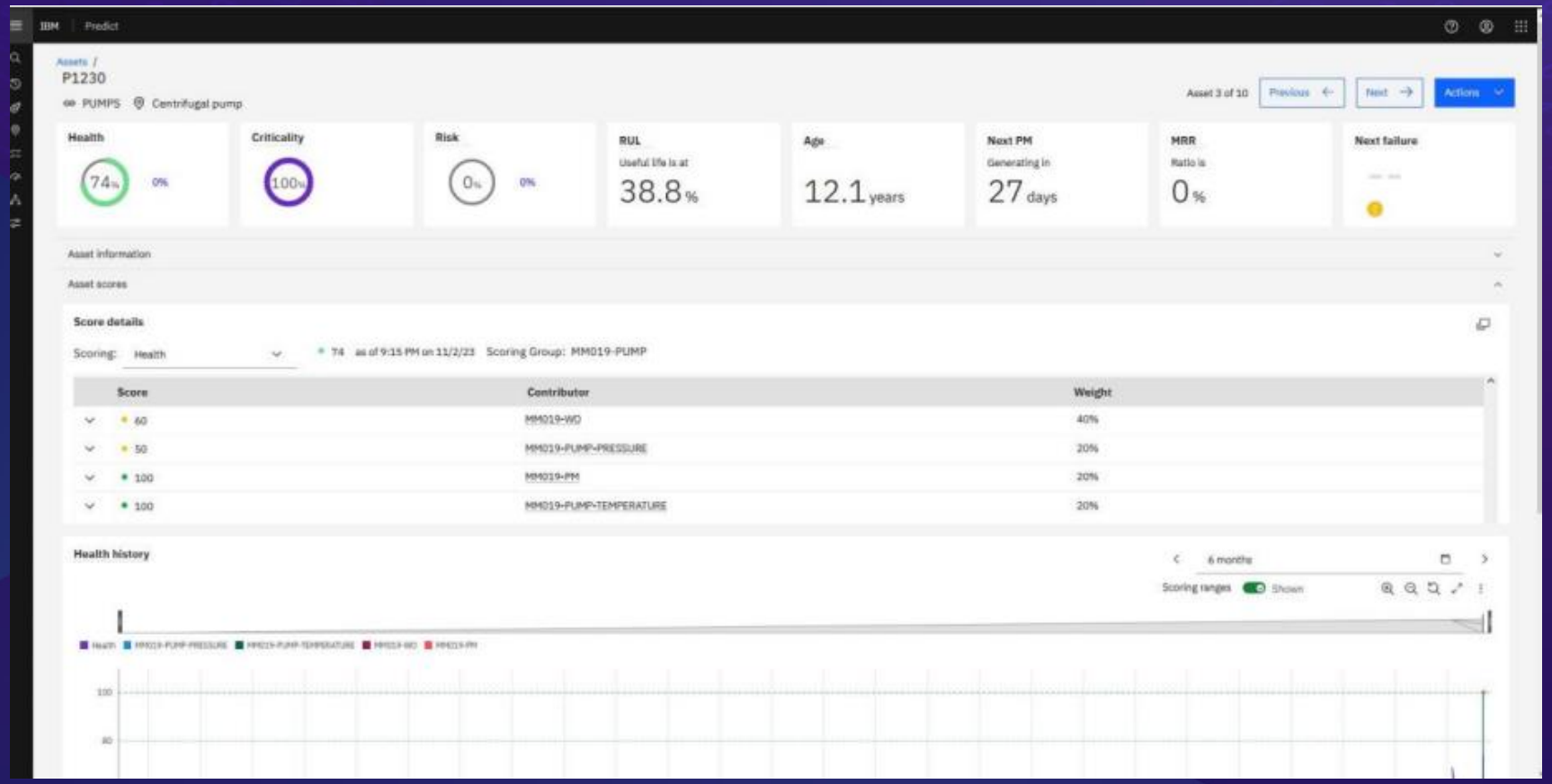
TEAM MM019



By creating our scoring methods for criticality and risk, we were able to reach our result: create our view that our reliability engineer could use in order to take decisions.

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TEAM MASter BLASTER

Phil Runion, Galina Leonova, and Ty Hull

ACCOMPLISHMENTS: Modeled meter data in Monitor (MM021_bridget_from_basic_template_li) and attempted to feed the data into Manage but could not interface this data due to security. Configured three “MM021-BRIDGE” assets in the Health application showing Health, Criticality, RUL, Age, Next PM, and MRR values based on collected data in Manage. Created a MM021 Bridge Asset start center to display Health score data for Manage users to see where they spend most of their time.

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TEAM MAS MASters

Tanishk Rathi, Ramya Chaturvedi, Tinnokesh AP, and Kalaiselvan Matheswaran

ACCOMPLISHMENTS:

1. The utilization of the Monitor enabled reliability engineers to visualize and analyze OT data effectively.
2. Leveraging Maximo's health insights led to increased asset uptime and productivity.
3. The implementation of Health Insights played a pivotal role in preventing unplanned downtime and avoiding over-maintenance.

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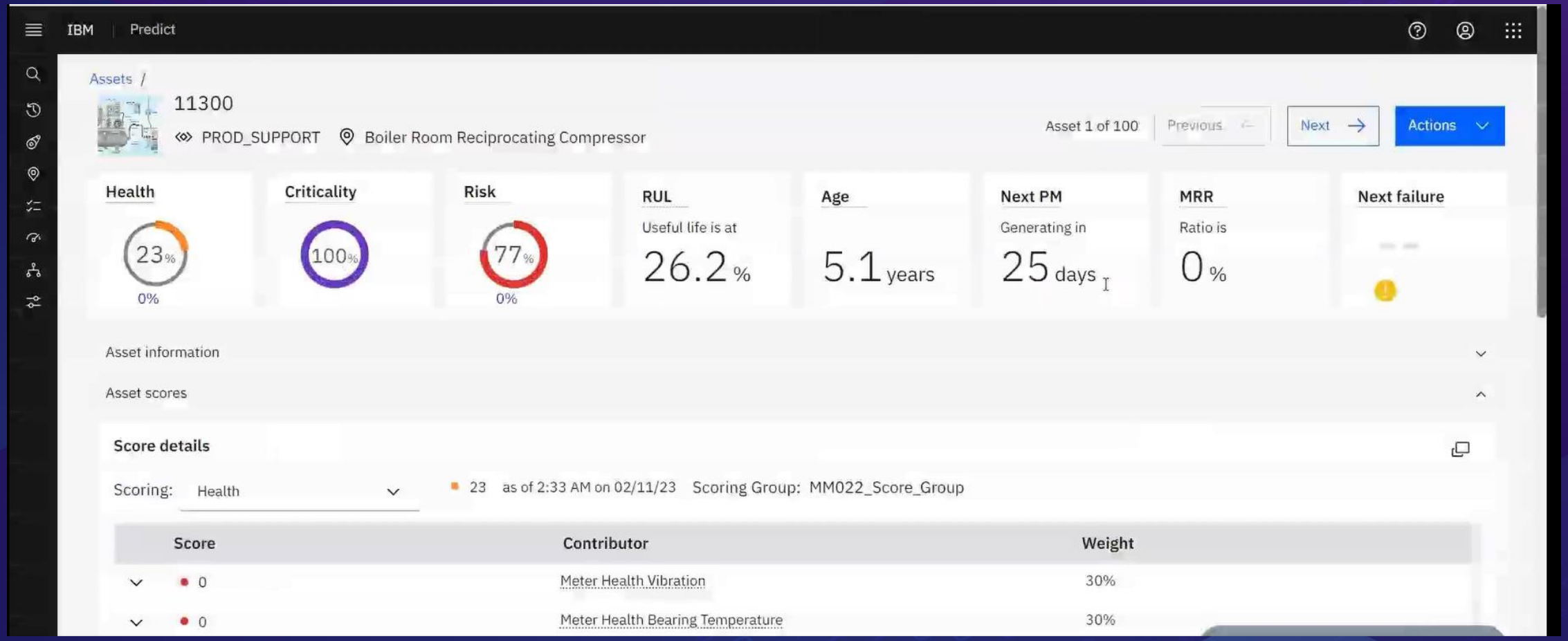
TEAM MAS MASters



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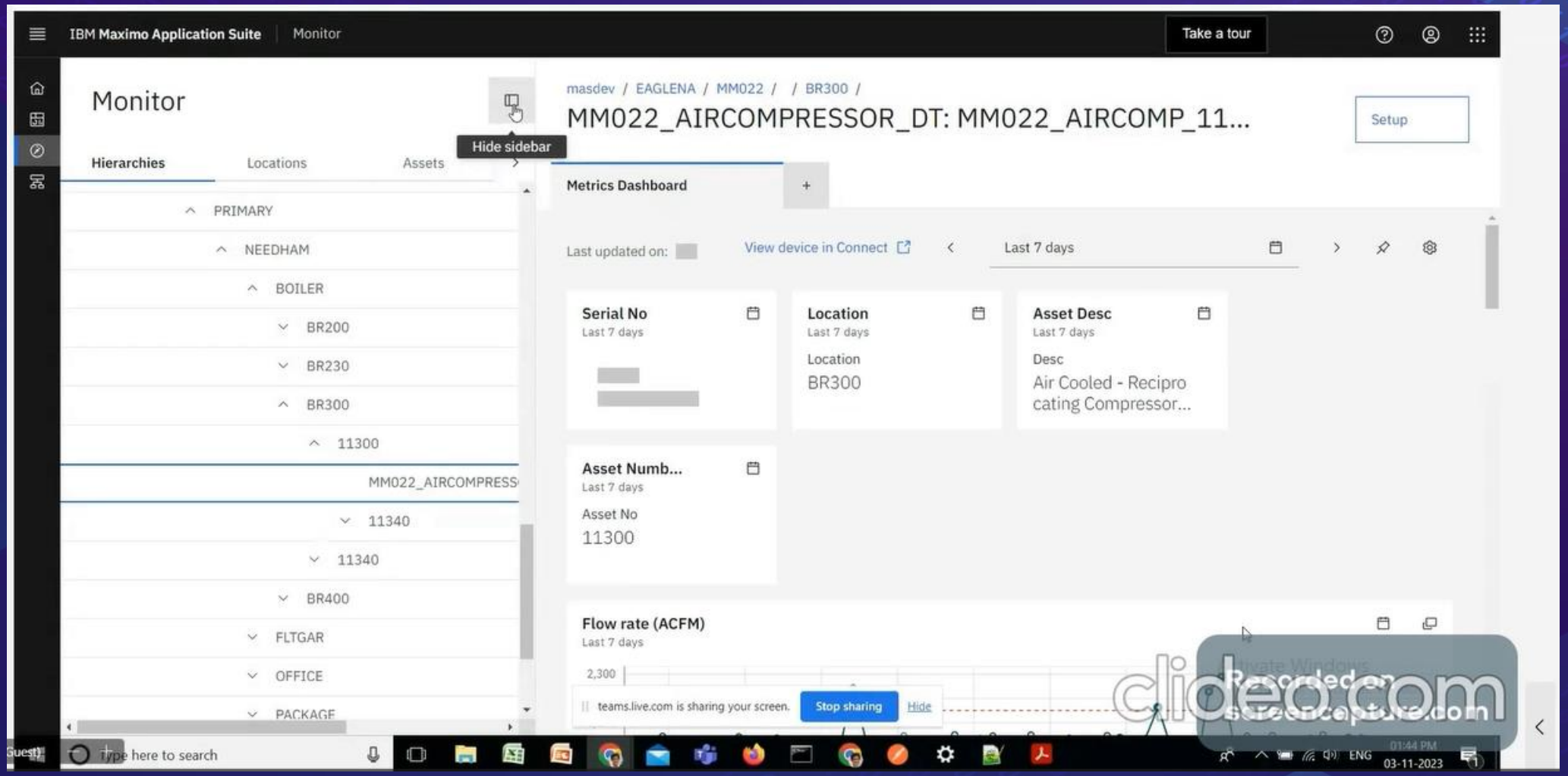
TEAM MAS MASters



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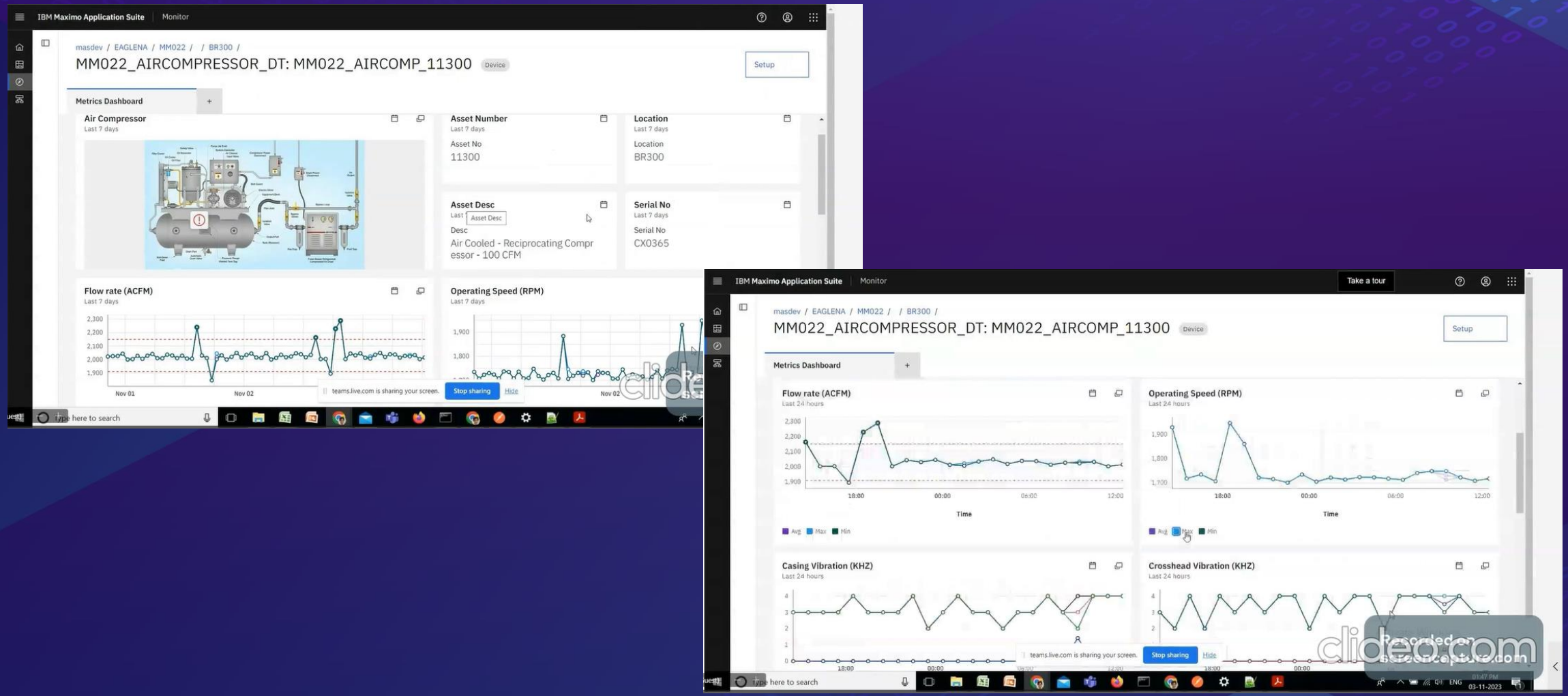
TEAM MAS MASters



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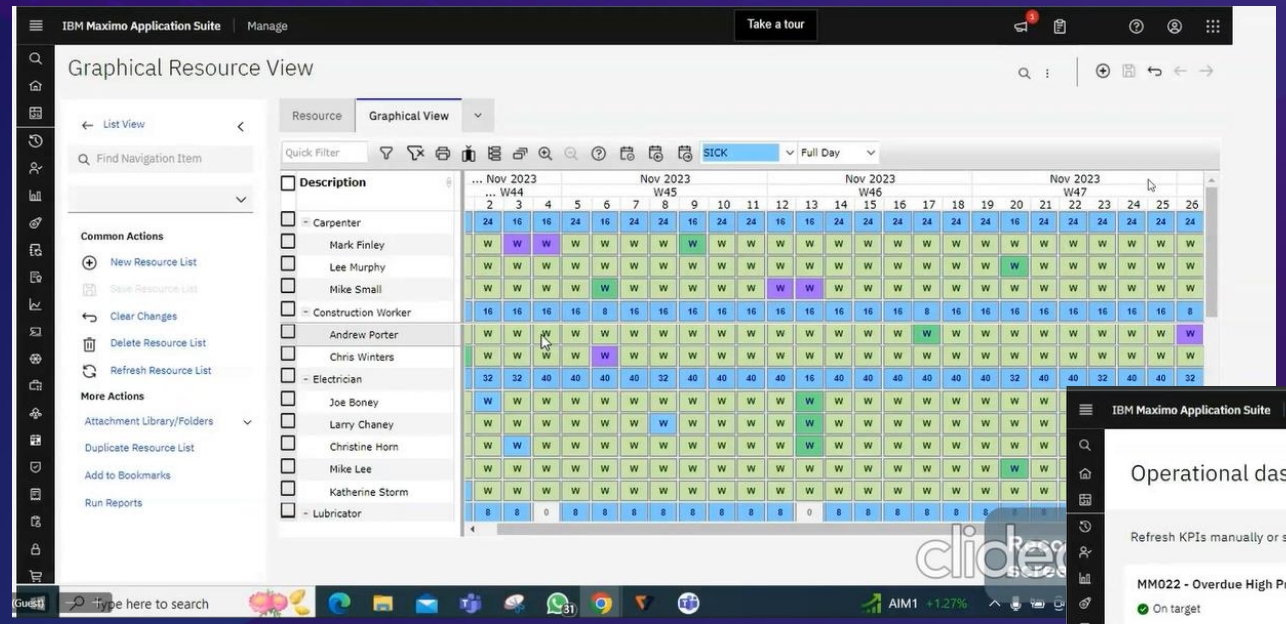
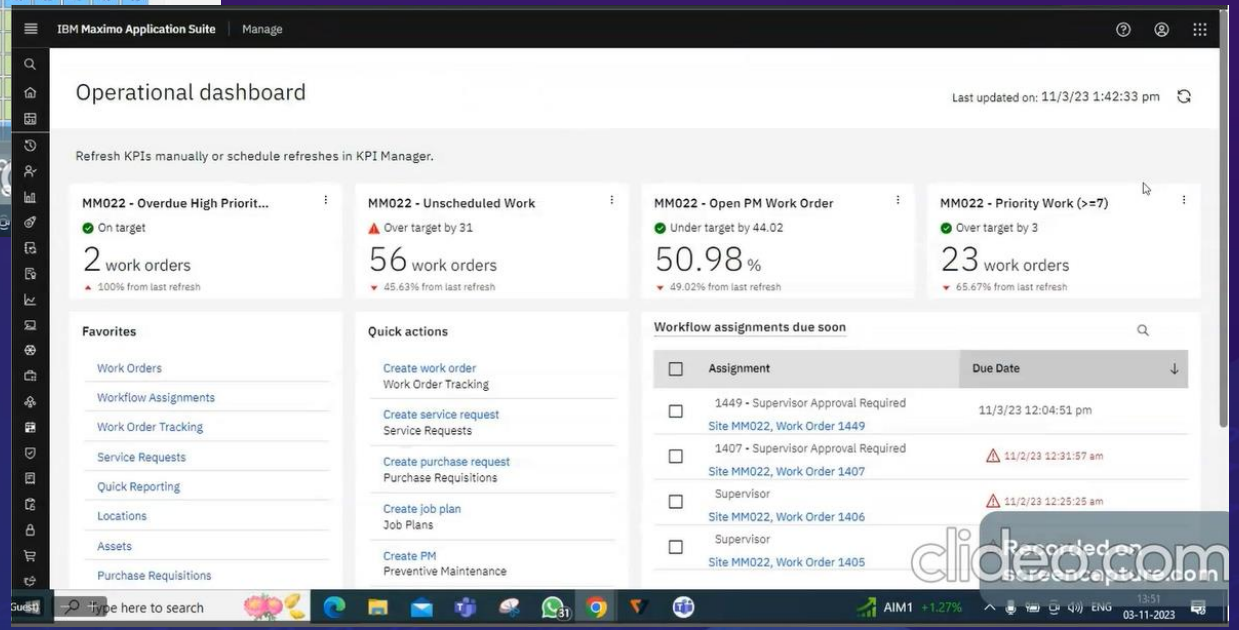
TEAM MAS MASters





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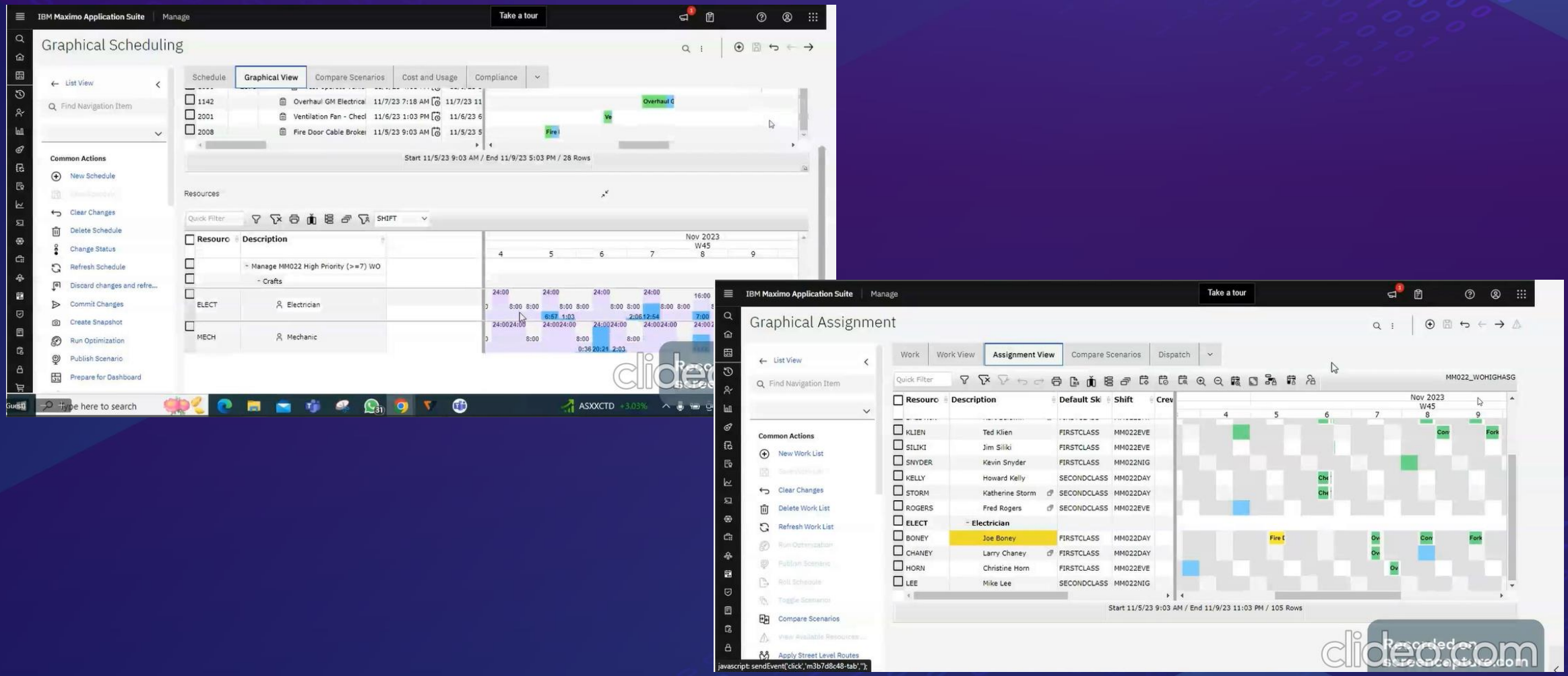
TEAM MAS MASters



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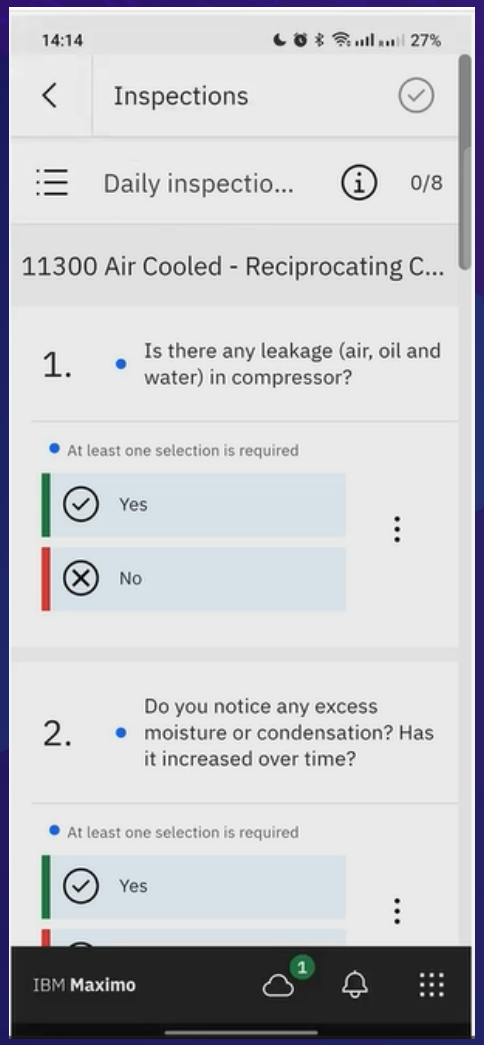
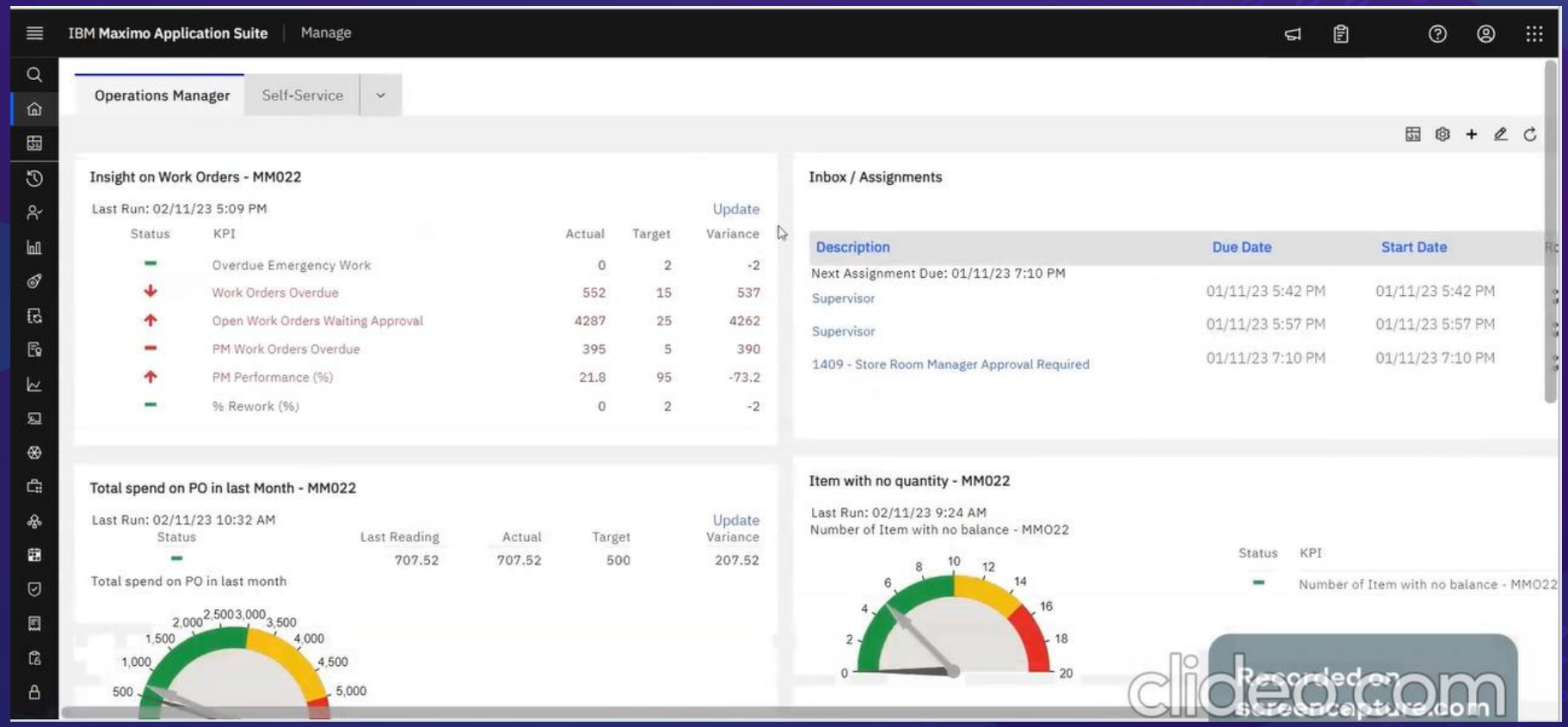
TEAM MAS MASters





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THE WINNERS

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MOST CREATIVE

MAS MASters (Team 22)

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ALIGNMENT WITH UPTIME ELEMENTS

X Marks the Spot (Team 7)

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MOST INSIGHTFUL DASHBOARD

MASter Blaster (Team 21)

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EASE OF USE

Health Hackers (Team 16)

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BEST PREDICTIVE MAINTENANCE APPLICATION

Dallas All-Star (Team 15)

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SECOND PLACE

MM019 (Team 19)

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FIRST PLACE

MAS MASters (Team 22)

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CONGRATS TO ALL!

NOTE: Certificates were emailed this morning, and shirts will be mailed soon.

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