Prometheus Planning and Scheduling

The Most Advanced and Flexible Solution for ECC and S/4 HANA

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Agenda

- Prometheus Intro
- Maintenance Challenges with Digital Transformation
- Prometheus Planning & Scheduling Impact
- Key Features
- Questions

Prometheus Group

- Founded in 1998
- Headquartered in Raleigh, NC, USA
- 21 global offices
- Integrated and intuitive software
- Partnerships with industry leading companies

TOP 10
Oil & Gas

TOP 8
Mining & Metals

TOP 8
Pulp & Paper

TOP 8
Utilities

TOP 6
Chemical

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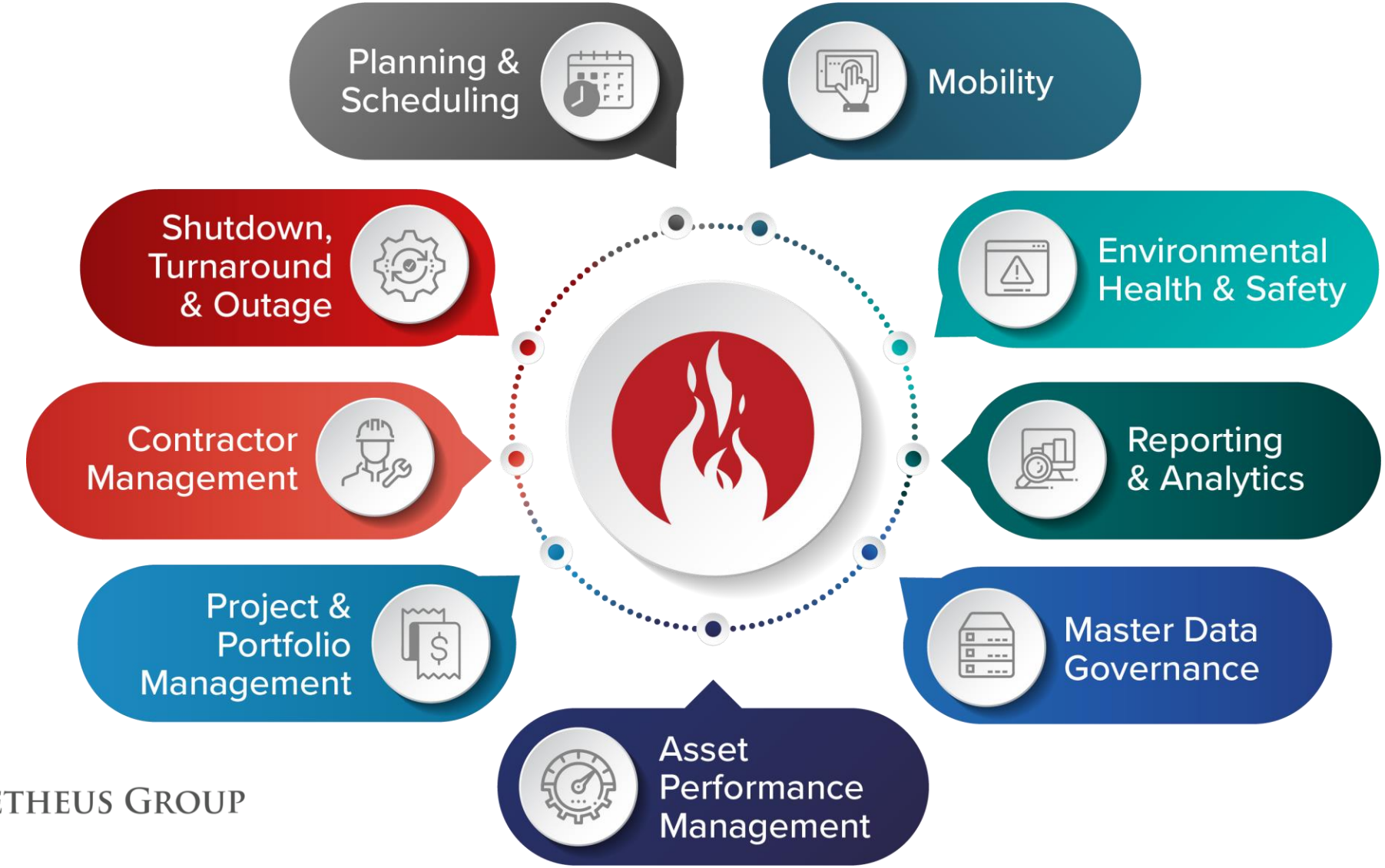
SAP® Certified
Integration with SAP S/4HANA®

ORACLE Gold Partner

IBM Business Partner

Key Customers



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Challenges

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Lost in Transformation

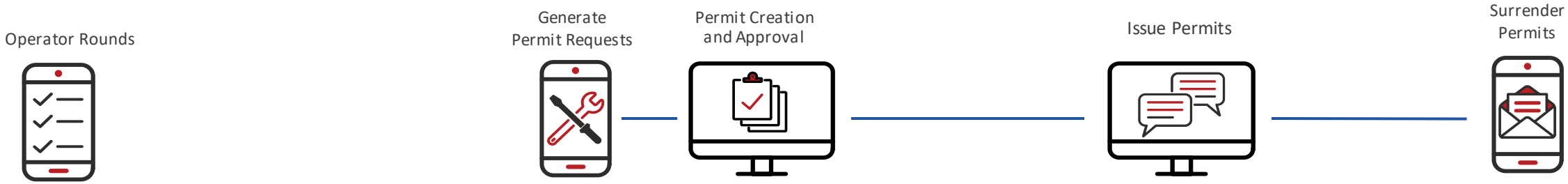
- Everyone's chasing digital transformation but for many it's hard to reach or be fully realized

- To simplify, digital transformation is just process improvements with just better tools and technology.
  - The key is making sure the technology supports process improvements, not the other way around

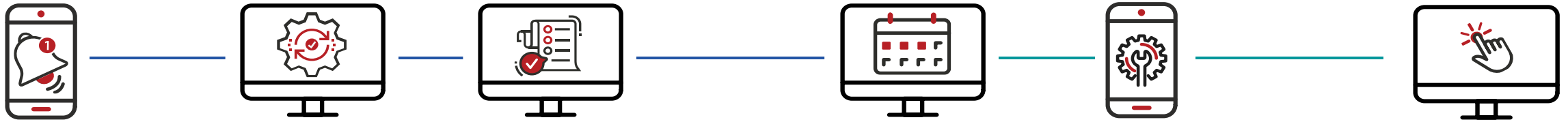
- S/4 is a great foundation and set of tools but how do we take full advantage of our investments and ensure project success?

Routine Work Execution Process

Operations



Maintenance



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Challenges of Planning & Scheduling

- Access to Data
  - Data is available, but not necessarily easy to find or map to process
- Visualize capacity
  - Separate screens
  - Not easily editable for real-world shift rotations
- Adjusting Schedule
  - Production and Operations alignment challenges
  - Often requires specific process steps that do not align with maintenance process
  - Difficult to manage for break-ins/mass updates

Common Results WITHOUT Prometheus

- Exporting to Excel
- Lack of SAP usage
  - Multiple data sources
- Limited analysis and improvement
- Avoidable delays

The Need for Planning and Scheduling…

25% - 35%

Average Wrench Time Without Proper Planning & Scheduling

3-4x

Cost of Reactive Work Compared to Planned Work

65%

Possible Wrench Time With Proper Planning & Scheduling

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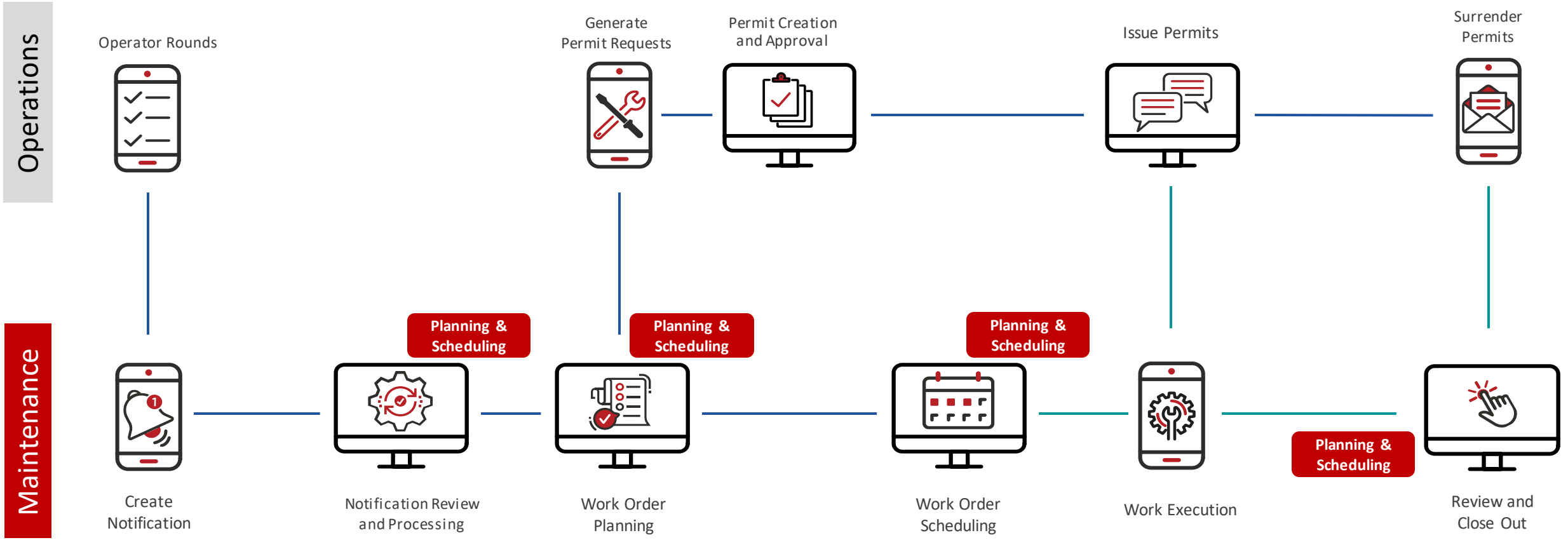
Prometheus Planning and Scheduling



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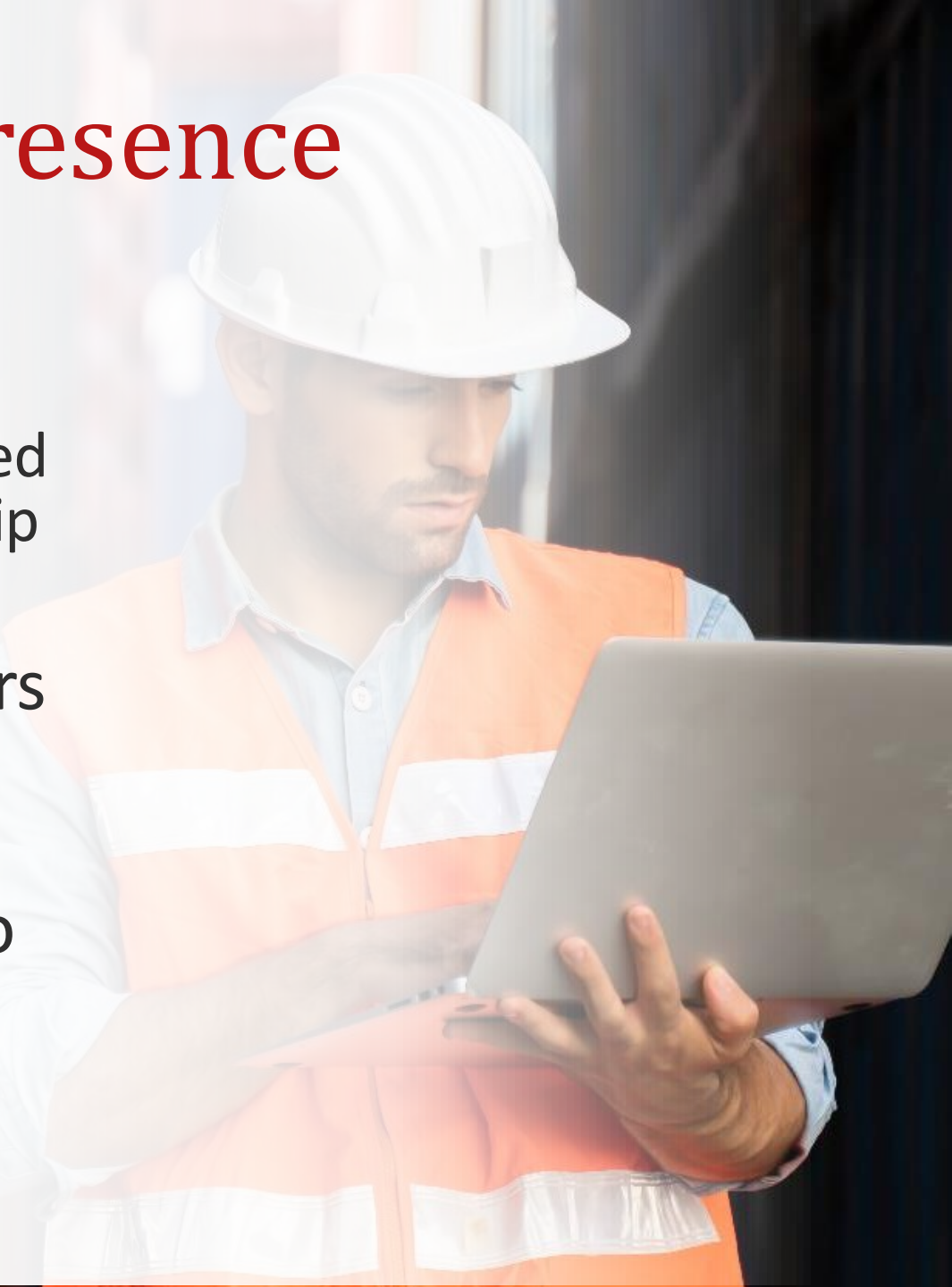
Prometheus Scheduling Presence

- Leading P&S solution for 25+ years
  - Simplified live scheduling with SAP
  - Filled gaps from the base PM module based on user direction and customer partnership
- Have expanded Scheduling use in the Web to increase value add for customers and IT organizations alike
- Customers aren't waiting for SAP solutions to catch up and can't afford to maintain integration projects



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Brief Web Scheduler History

- Development since 2015 – web visualizer first
- Going beyond GUI features
  - Fewer restrictions
- All new customers are on web and have been since 2020

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Don't Wait for S4

- Web Scheduler is live in ECC
- Take advantage of new, value-add features
  - No sacrifice to performance or GUI features
  - Increase ROI
- Prepare for the eventual S4 transition
  - Minimize change impact on the maintenance team

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Lessons Learned in S4 P&S

- Business at the table
- Map process to software, not the other way around
- Not simply IT for maintenance
- Gaps still exist with ERP and maintenance
- SAP as source data but partners to ensure process excellence

Expanding Partnership

Prometheus has been engrained within SAP for 25 years, but we've recently gotten even more involved:

- SOLEX MDG
- App Store
- Actively promoted by SAP to ensure customer success

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Prometheus Web Scheduler

Industry has been trending towards web interfaces (S4 HANA, Fiori):

- ECC and S4 compatible
- More flexibility and new features
- Cloud deployment options/lower IT burden
- UI/UX Uplift
- Platform Integration

Planning & Scheduling

Dashboard
Easily standardize your process with a custom layout for all roles

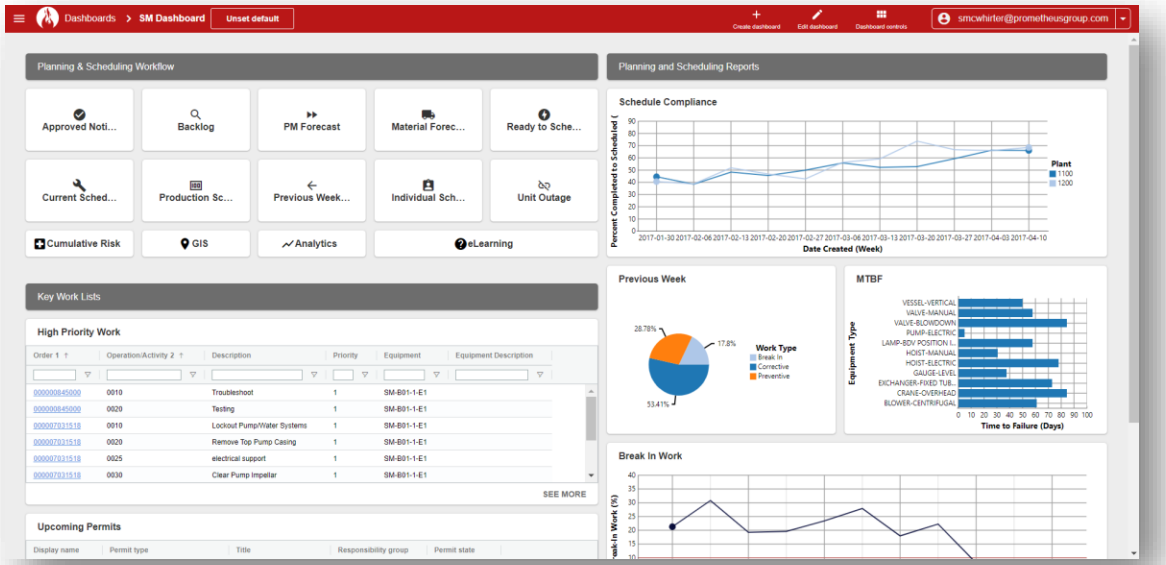
Graphical Scheduler
Schedule all work directly inside of SAP with real-time capacity data and carry out mass changes

Order Planner
View and plan work orders in a simplified view and access planning enhancements

Work Package Manager
Collate all required documents in order to complete a work order

O2TL & O2BOM
Streamline work orders by copying information to task lists and BOMs to use in the future

Material Shopping Cart
Search for materials with a multi-word search to ensure the right materials are added

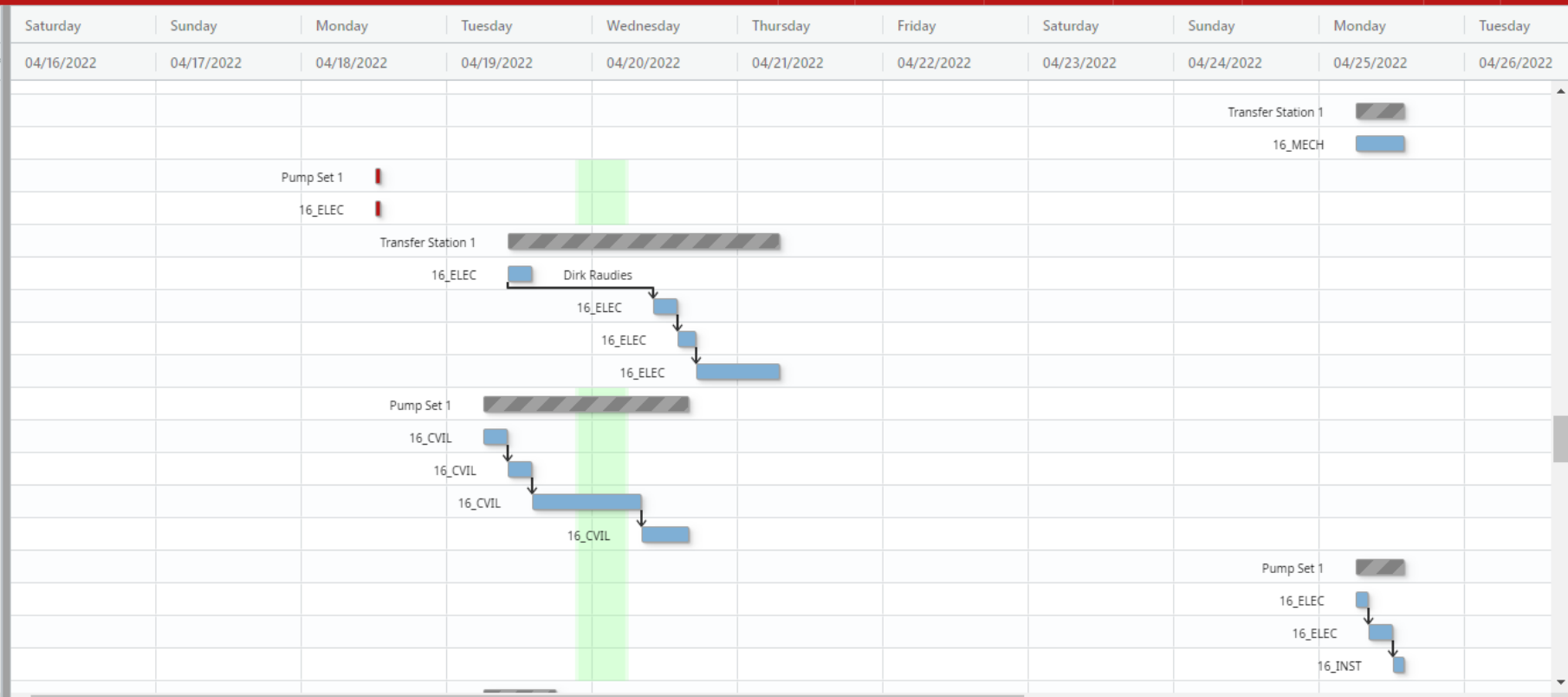


Key Features of Web

- Live SAP Integration
- Configurable to industry and process needs (no forced path in SAP)
- Vendor with proven maintenance experience and SAP best practices
- Scalability to PMs, Materials, PS, Production, and more!
- Scheduling Highlights:
  - Production Overlay
  - Tiered Auto-Level
  - Weighted priority
  - GIS Routing
  - Skills Management

Sean's Ready to Schedule Work
Routine Maintenance Display

Group	Priority 2	Description	Work
7070573	**3**	**Strainer Piping Inspection**	
0010	3	Forward Void Strainer Piping Inspection	8
7075766	**3**	**leak on outboard bearing**	
0010	3	leak on outboard bearing	1
7031521	**4**	**Solder Loose Wire Connections**	
0010	4	Lockout Various Pumps	4
0020	4	Solder Connections	4
0030	4	Unlock	3
0040	4	Test and Verify	2
7031527	**4**	**Repair Various Oil Leaks**	
0010	4	Lockout	4
0020	4	Remove Pipe Sections	12
0030	4	Repair/Replace Piping	18
0040	4	Unlock/Verify	8
7031532	**4**	**Recallibrate Meters**	
0010	4	Lockout	2
0020	4	Callibrate	4
0030	4	Unlock/Verify	2



Resource	Description	Plant
16_MECH	Mechanic	1000
16_INST	Instrument	1000
16_ELEC	Electrical	1000
16_CVIL	Contractors	1000

04/16/2022	04/17/2022	04/18/2022	04/19/2022	04/20/2022	04/21/2022	04/22/2022	04/23/2022	04/24/2022	04/25/2022	04/26/2022
OFF	OFF	53 / 60	51 / 60	49 / 60	52 / 60	50 / 60	OFF	OFF	12 / 60	0 / 60
OFF	OFF	34 / 60	43 / 60	52 / 60	61 / 60	57 / 60	OFF	OFF	24 / 60	0 / 60
OFF	OFF	70 / 60	42 / 60	50 / 60	39 / 60	43 / 60	OFF	OFF	19 / 60	0 / 60
OFF	OFF	2 / 72	28 / 72	37 / 72	40 / 72	19 / 72	OFF	OFF	0 / 72	0 / 72

Production Overlay with Maintenance

Tiered Auto-Level

- Create and save a scheduling algorithm
- Define % utilizations based on specific work criteria in a single pass
- Save to align expectations for best practice

Weighted Priority

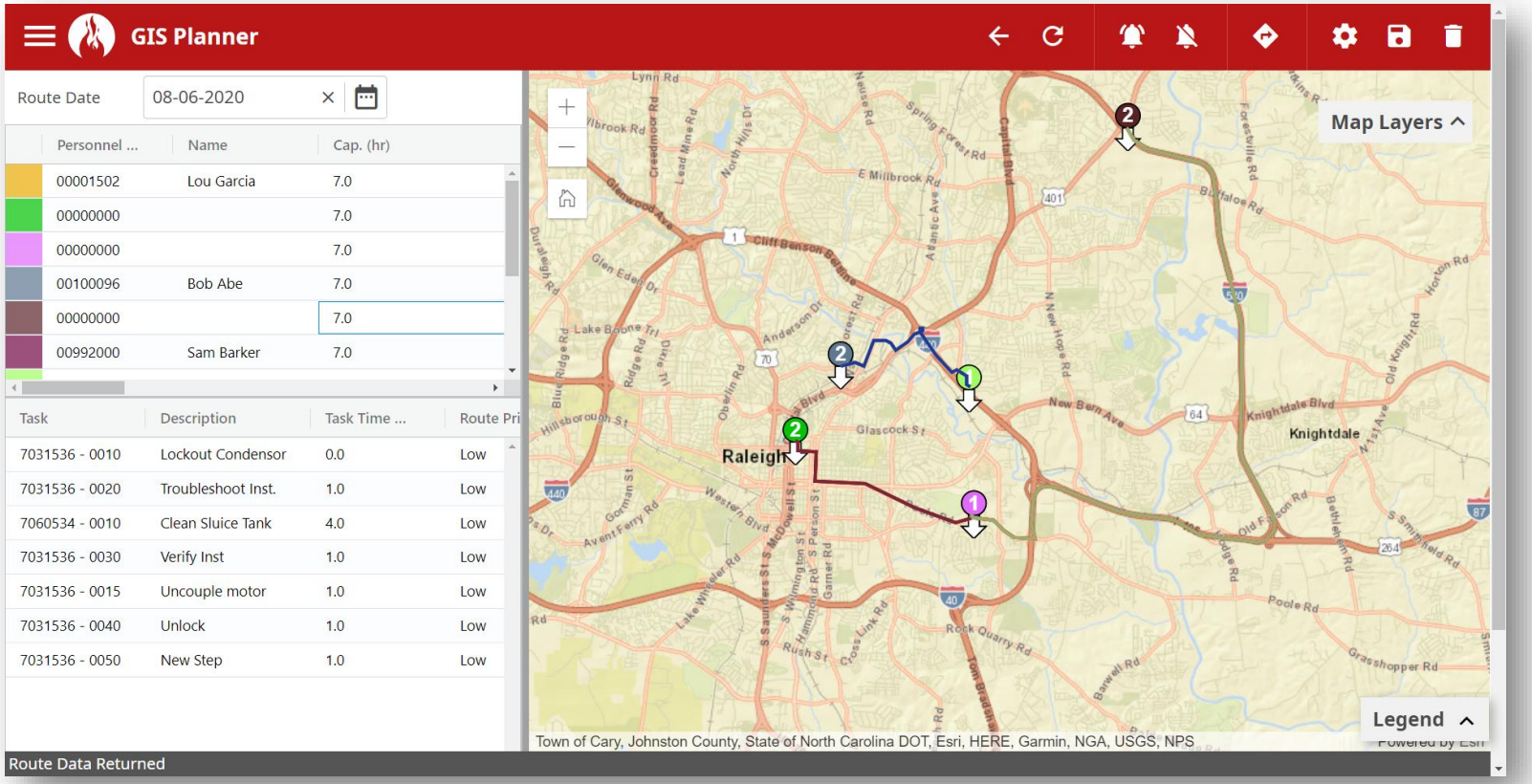
- True, calculated work order prioritization
- Which is more critical?
  - Priority
  - ABC indicator
  - Due date
  - Age
  - Order Type

GIS Enhancements

Plan work order routes on a GIS overlay

Optimize Route planning at the work center or resource level

Navigate to jobs via mobile application



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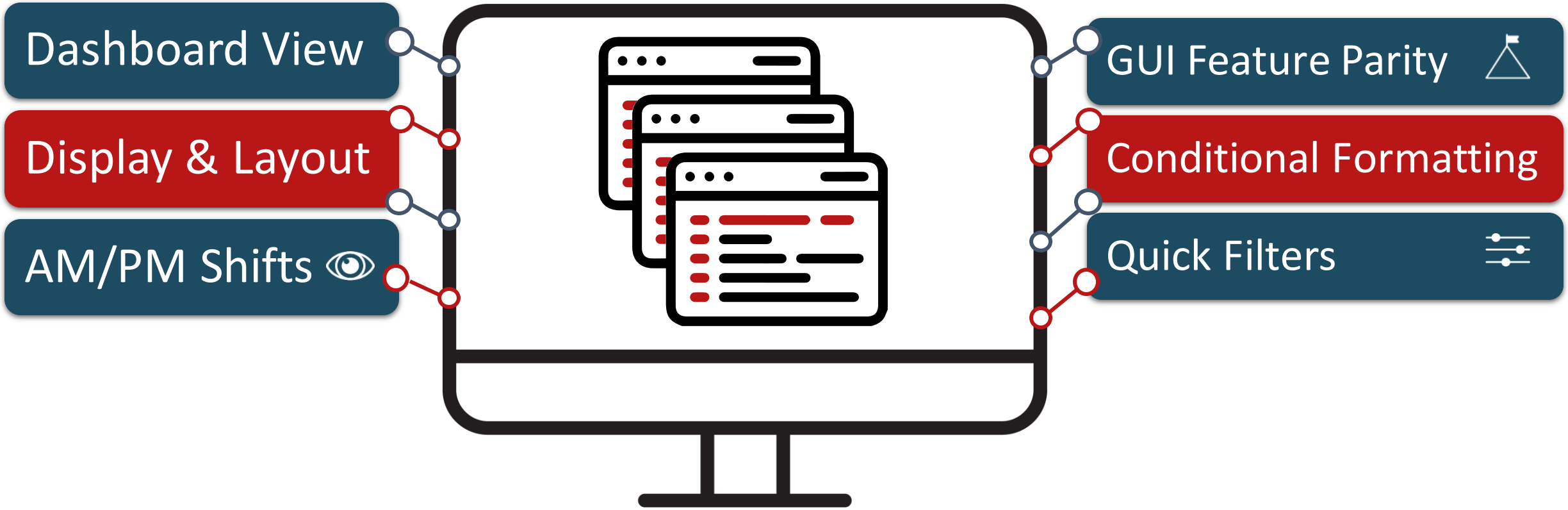
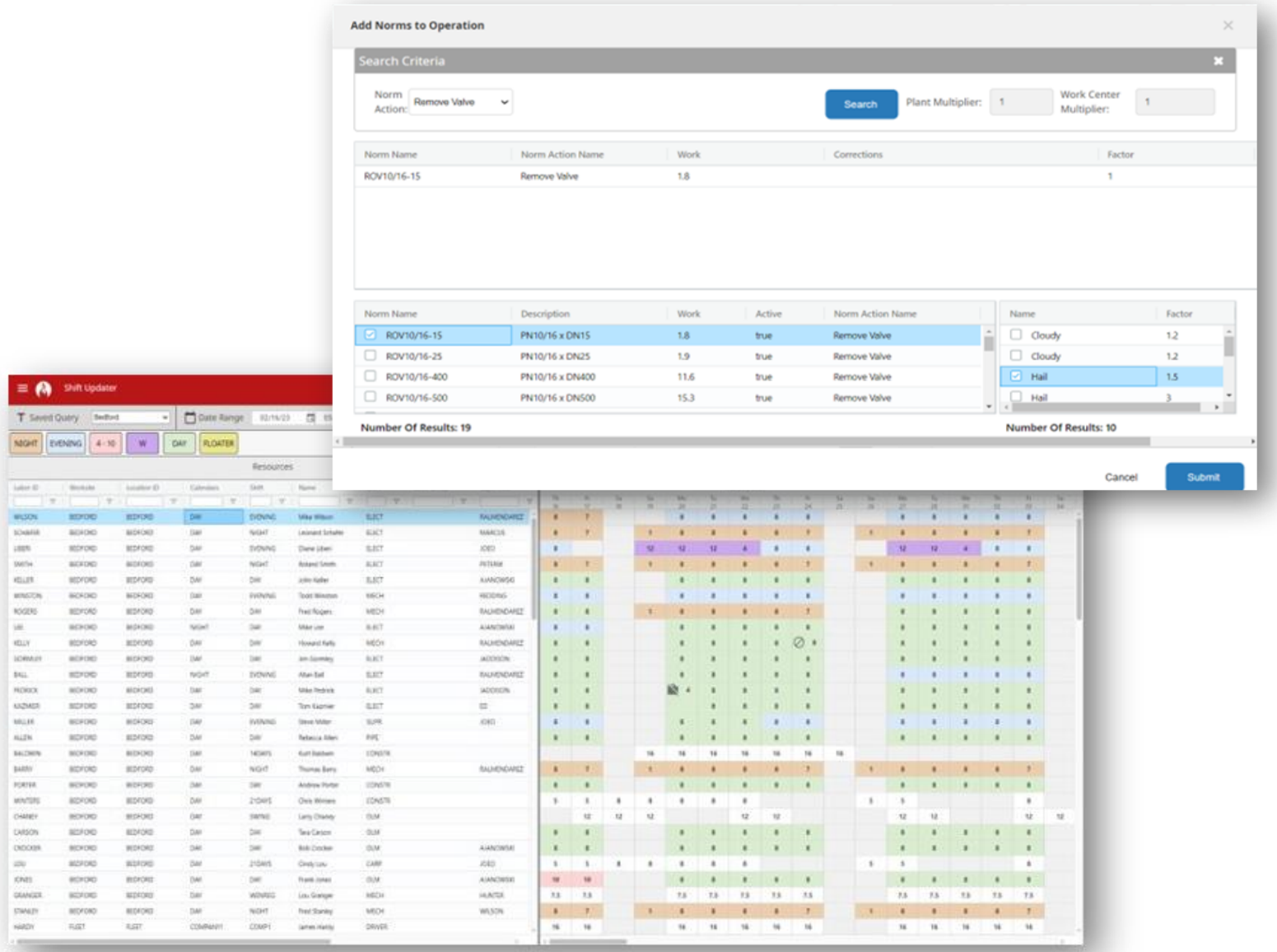
UI/UX Update


Dashboard View
Display & Layout
AM/PM Shifts
GUI Feature Parity
Conditional Formatting
Quick Filters

What's Next?

- Planning Advancements
  - Norms Based Planning
  - Robust Planner Config
- Resource Management
  - Rotating shift management
  - Free Text Contractors
  - Crew Building
- Platform Integration
  - RiskPoynt
  - APM



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Benefits Summary

- Improve planning & scheduling efficiency
- Reduce equipment downtime
- Increase wrench time
- Reduce contractor needs
- Minimize delays with production, spares, and other avoidable delays
- Improve maintenance strategies

Thank you

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