

# Welcome to San Antonio!

## 2024 Prometheus Group User Conference

**April 23, 2024**



PROMETHEUS GROUP | 17TH ANNUAL **USER**  
**CONFERENCE**  
NORTH AMERICA

# Speaker Introduction



Jeff Kinard

*EVP, Corporate Development*



# Making Digital Transformation REAL, Part III



# A Quick Recap

- **2021** – Companies focused on “metaverse,” remote work
  - NFTs and Crypto Currencies
  - AR/VR initiatives with Meta, Amazon, Google
- **2022** – The Reckoning
  - Major layoffs in AR/VR divisions after huge losses
    - Meta: \$14B loss in AR/VR, 21,000 jobs cut (25% of workforce)
    - Amazon Alexa: \$10B loss, 27,000 cut (biggest in company history)
  - Bitcoin’s value dropped 65%
  - NFT collectibles sales dropped 81%



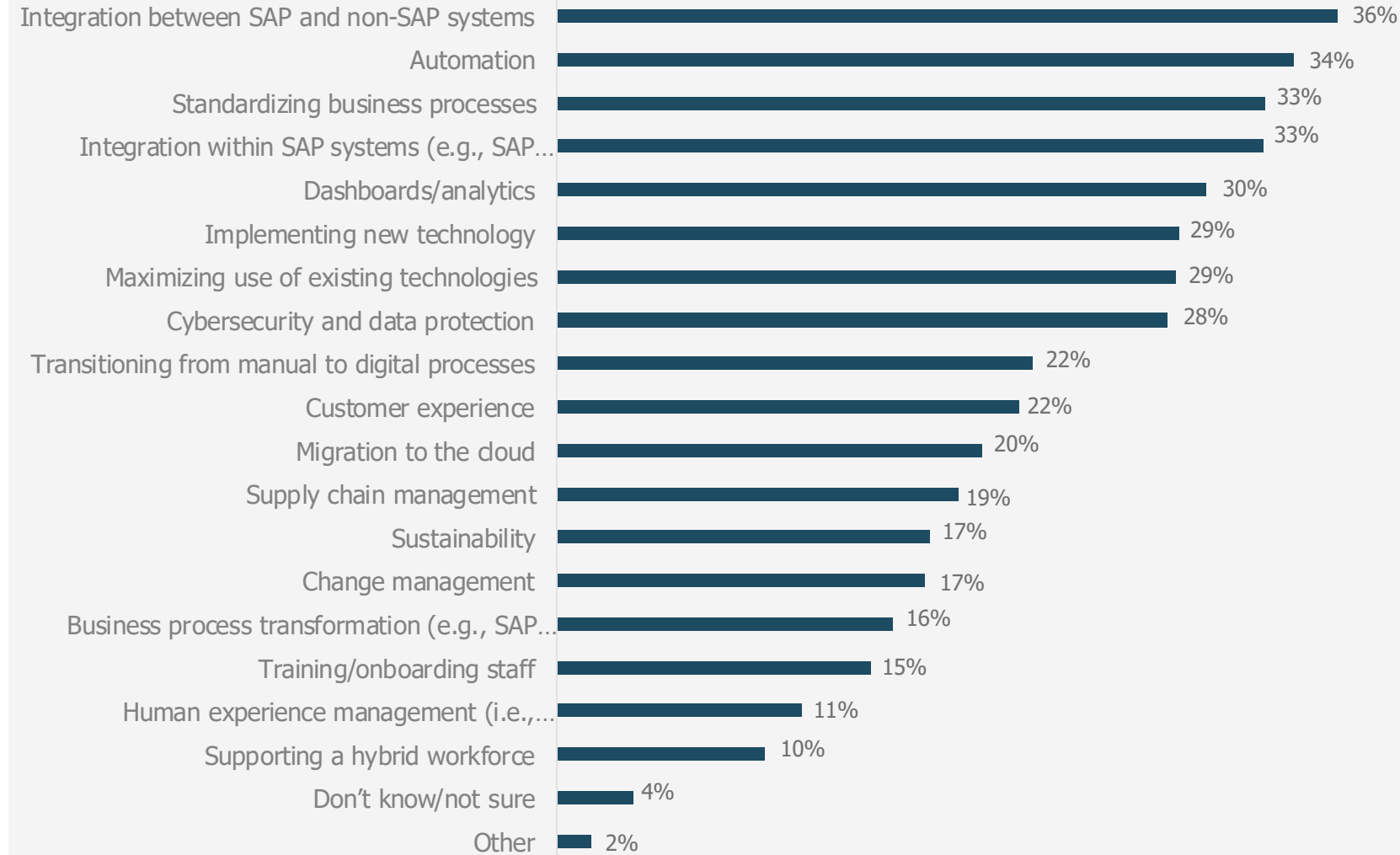
# 2023 – Coming Back to Our Senses

- Companies focusing on what they do best
  - Amazon – Focusing on retail and AWS
  - Meta – Advertising revenue
  - Google – Search was largest revenue growth contributor
- Digital Transformation – a renewed focus on results, ROI
  - Not just digitizing a paper process
  - Breaking down silos, collaborative work
  - Automation – Business and Process



# Focus Areas for 2024 (ASUG Study)

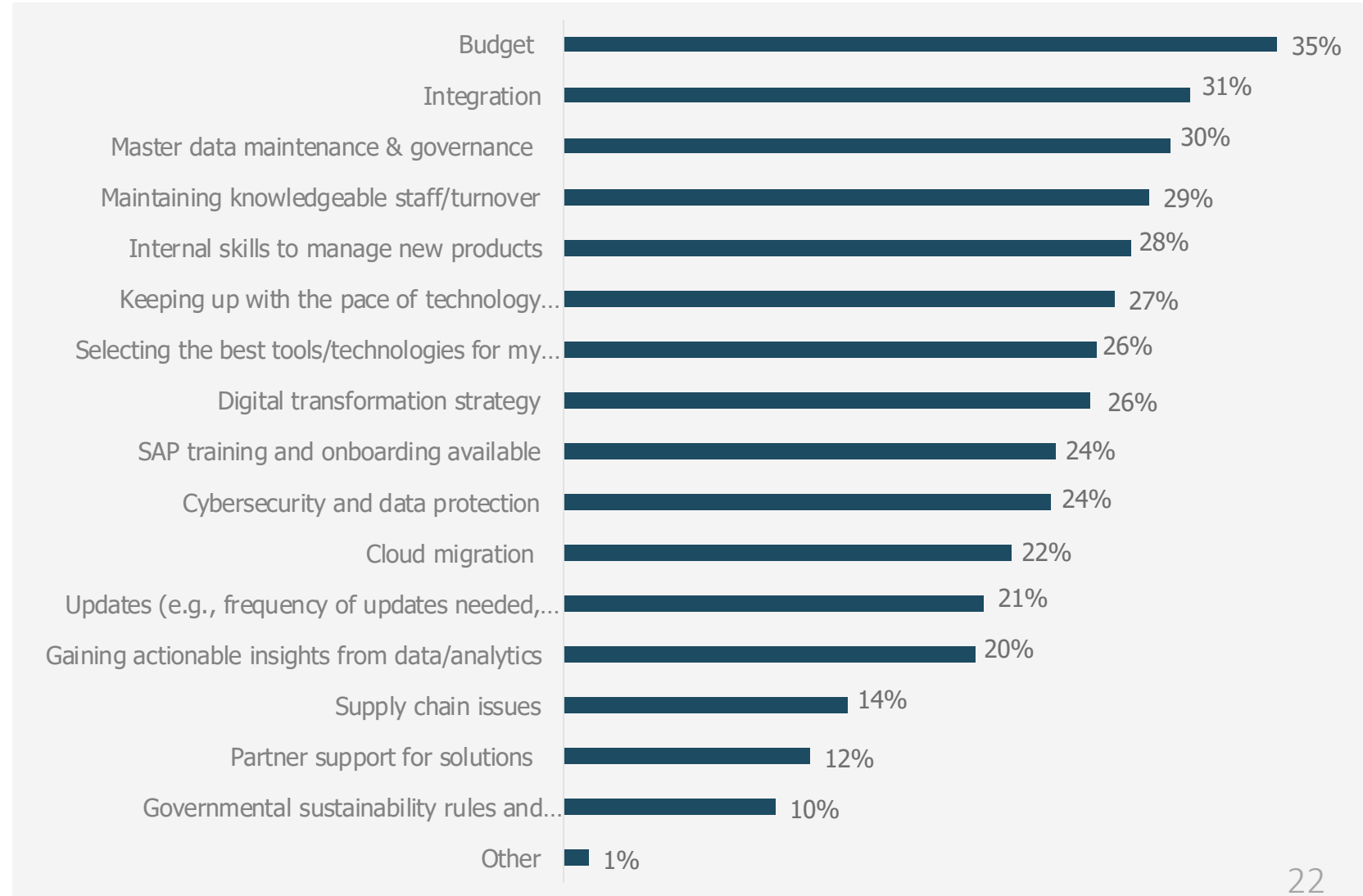
- Study from March 2024
- 766 member responses across multiple industries
- Top Focuses
  - Integration to non-SAP systems
  - Automation
  - Standardizing business processes



# Top Challenges for 2024 (ASUG Study)

- Biggest Challenges

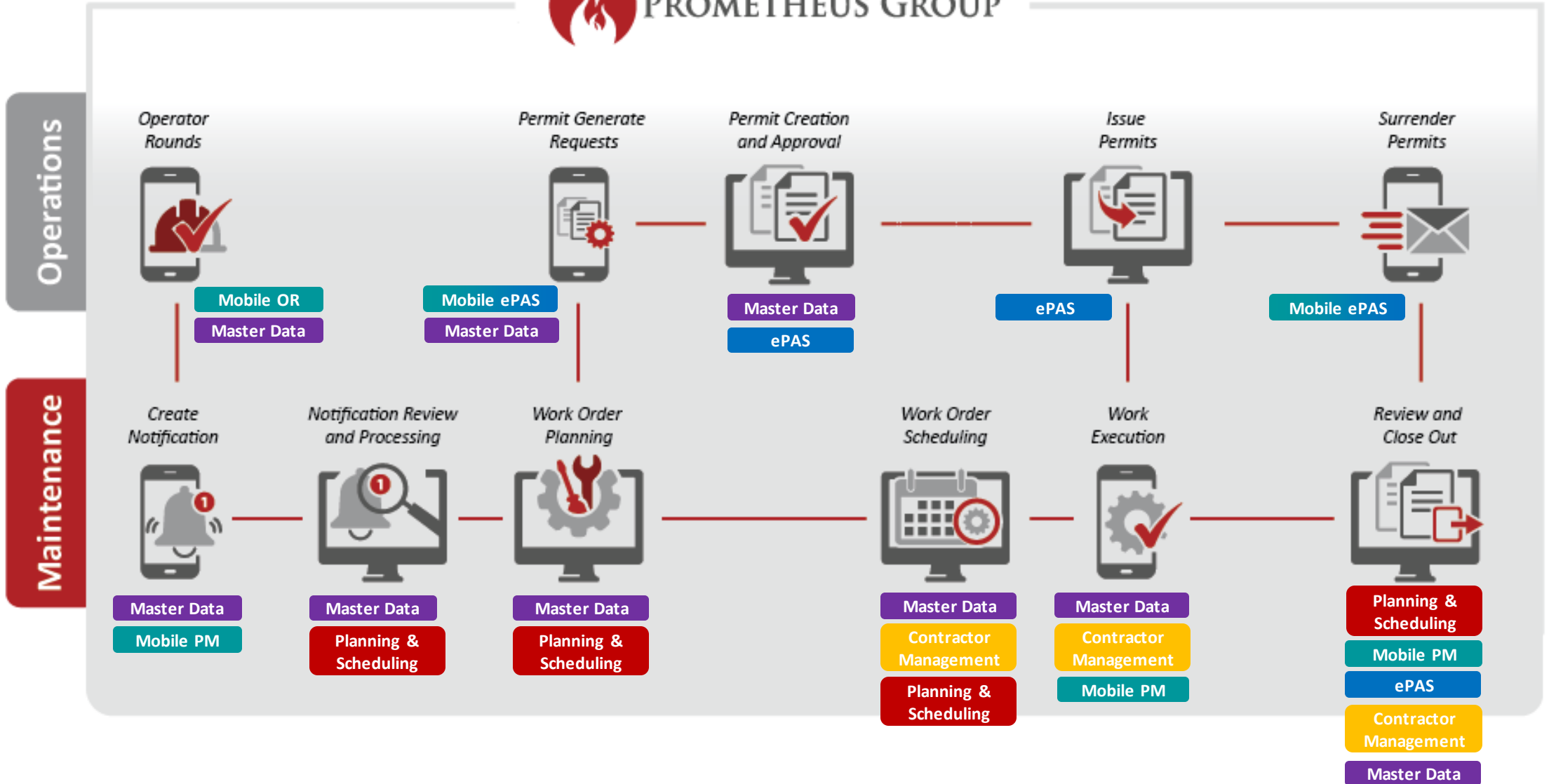
- Budget
- Integration (again)
- Master Data



# Prometheus Platform

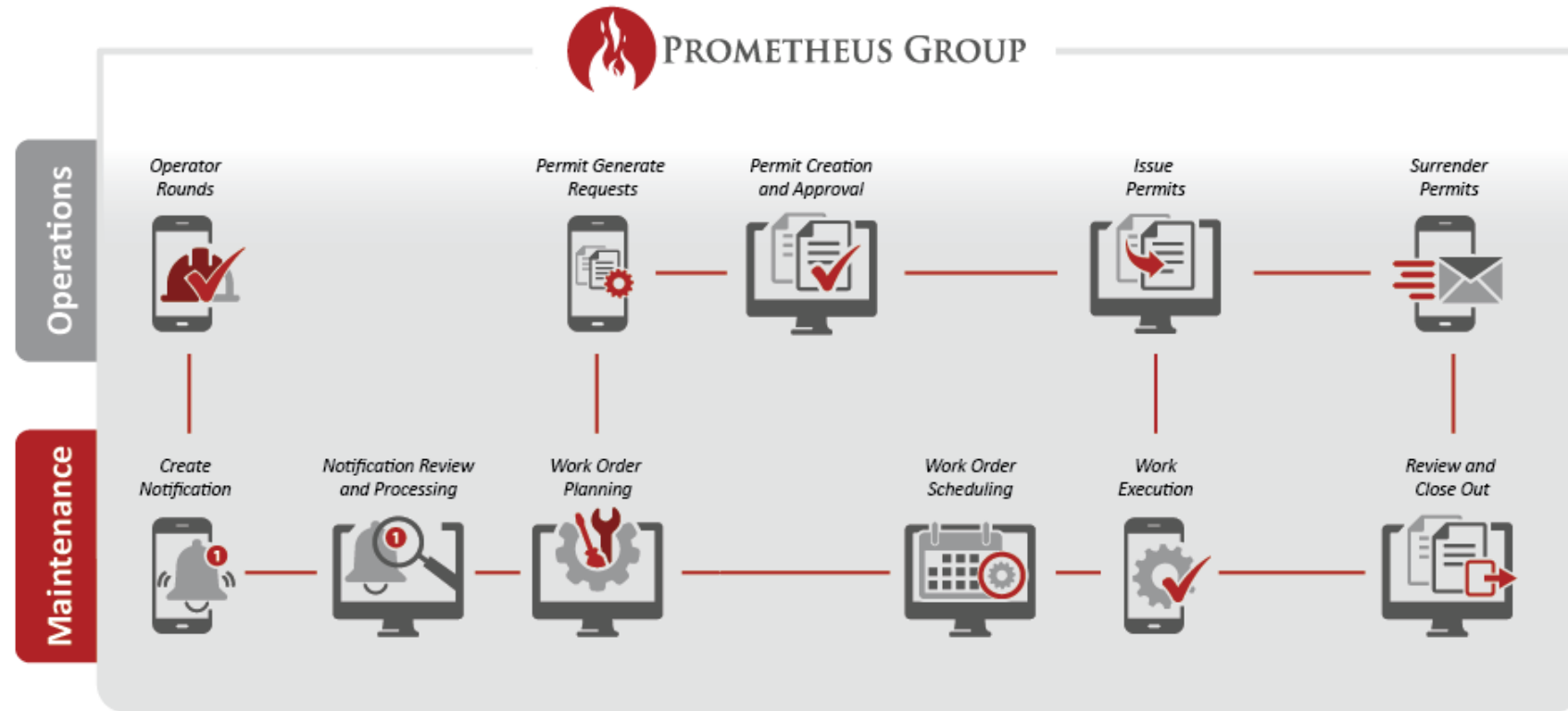
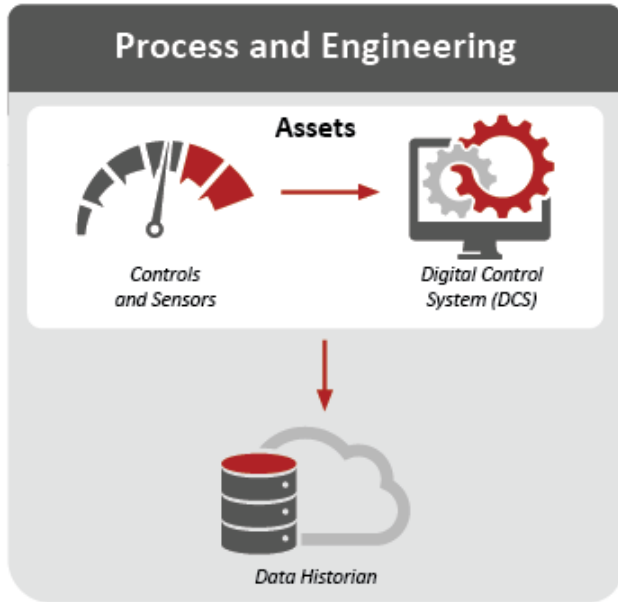


PROMETHEUS GROUP

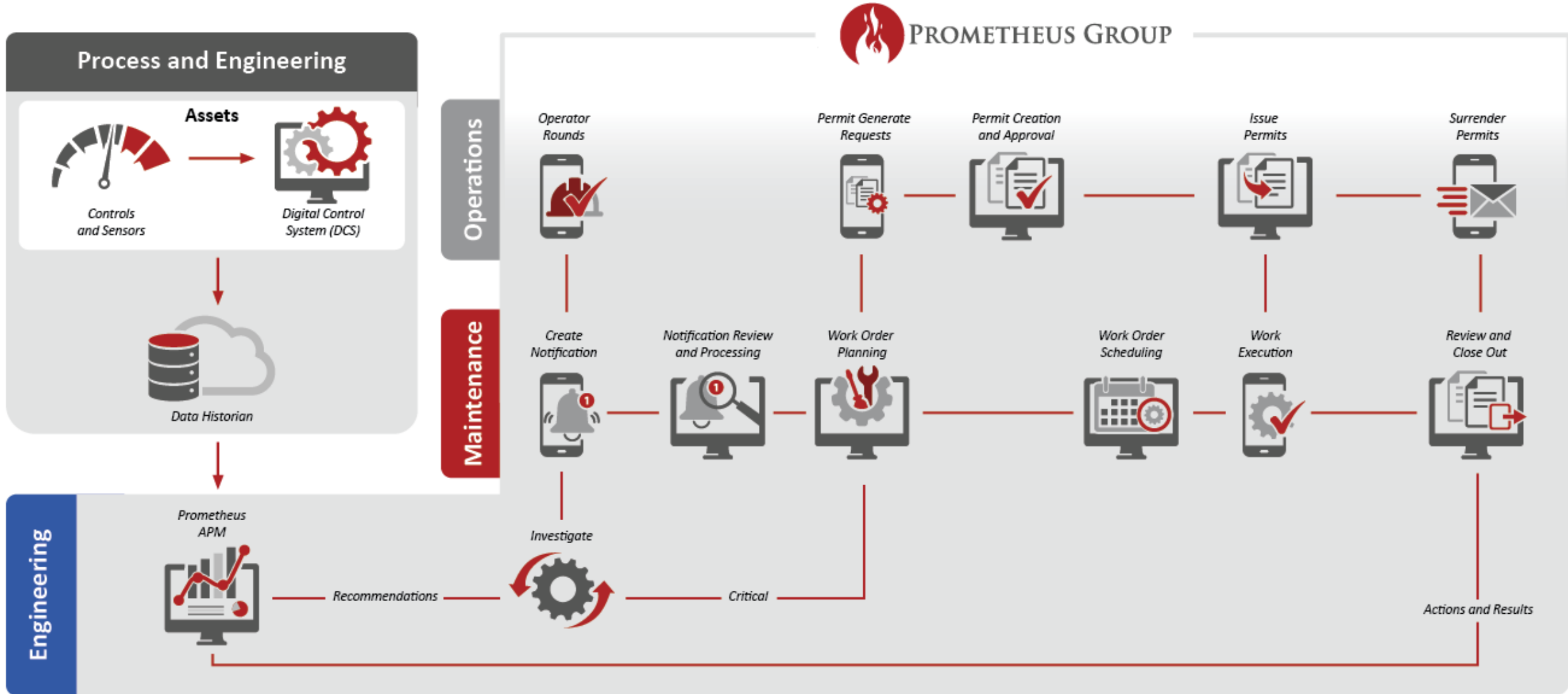




# The Black Hole



# Closing the Loop with Prometheus APM



# Prometheus APM – Realizing Results

- Since last year's user conference
  - 70 new sites on PG APM
  - 60 of these sites include monitoring services
- All new implementations include ERP integration
  - Maintenance notifications from found issues
  - Measurement docs for condition-based maintenance
  - Fully closing the loop



# The Rise of AI – Where Does It Fit With Digital Transformation?



“

---

“AI-powered’ is tech’s  
meaningless equivalent of  
‘all natural.’”

–Devin Coldewey,  
TechCrunch



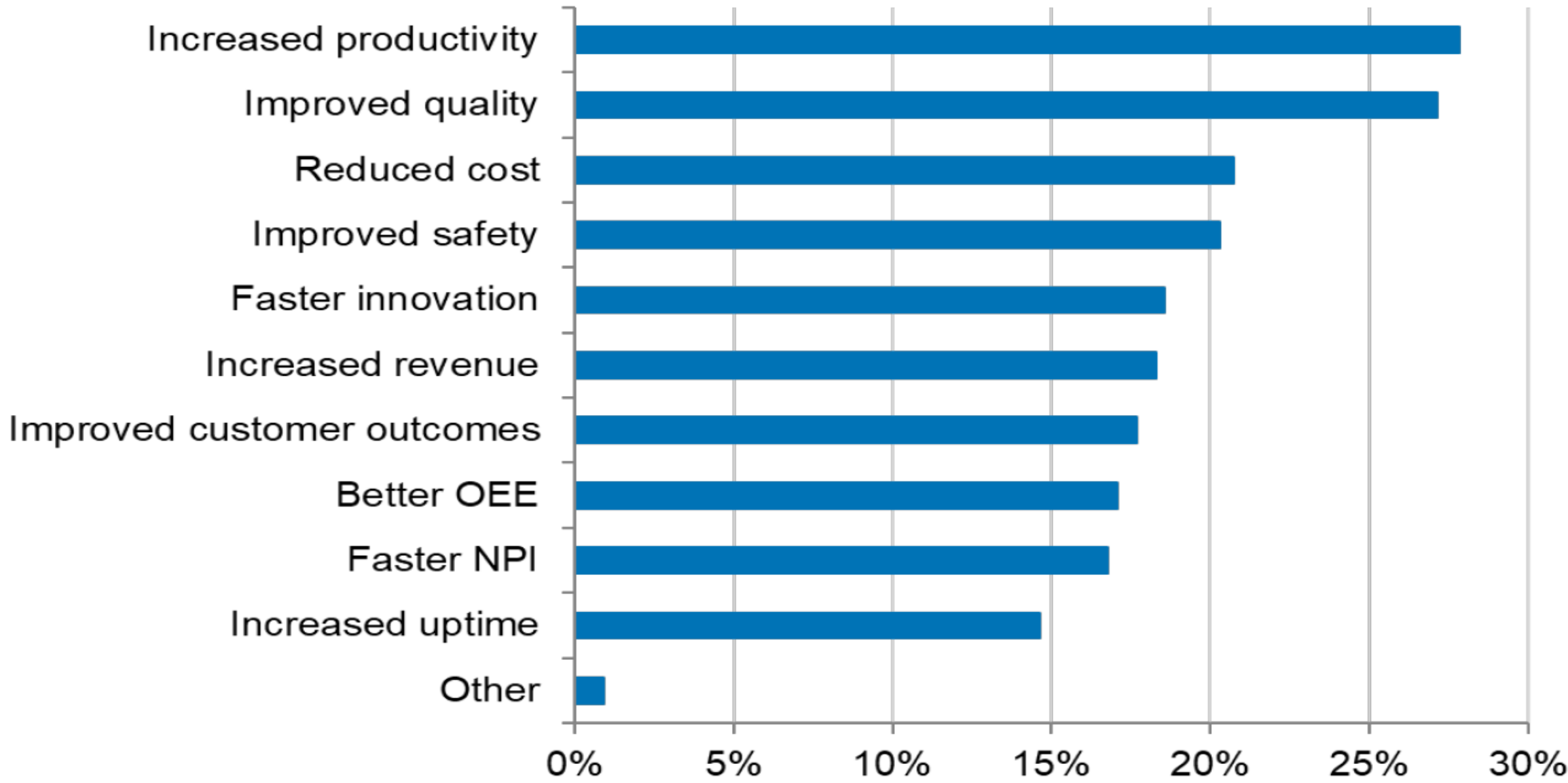
# AI Hype Machine

- Google Invested \$30B in AI R&D/technologies
  - “The most profound technology humanity is working on. More profound than fire or electricity or anything we’ve done in the past”  
– Sundar Pichai, Google CEO
- Microsoft: \$10B
  - OpenAI partnership, and integration with Copilot and Bing
  - Bing market share grew <.5% year over year
- SAP: \$1.1B into SAP’s Business AI Efforts
  - Shifting 8,000 jobs to AI focused
  - Want to be world’s leading apps and AI vendor



# Performance Improvement

*Benefits of Industrial AI Projects*



# AI/ML and Predictive Analytics

According to Eric Siegel, PhD - Harvard Business Review –  
“The AI Hype Cycle is Distracting Companies”

“

Most practical use cases of ML:

- Designed to improve the efficiencies of existing business operations
- Innovate in fairly straightforward ways

”

Purpose of ML is to issue actionable predictions

- “
- Only valuable if the model is highly accurate
  - Data is the key

”

- Eric Siegel. (2023). [The AI hype cycle is distracting companies](#)



**Eric Siegel, PhD**, is the founder of the Predictive Analytics World and executive editor of *The Predictive Analytics Times*. A former Columbia University professor, he is a renowned speaker, educator, and leader in the field.





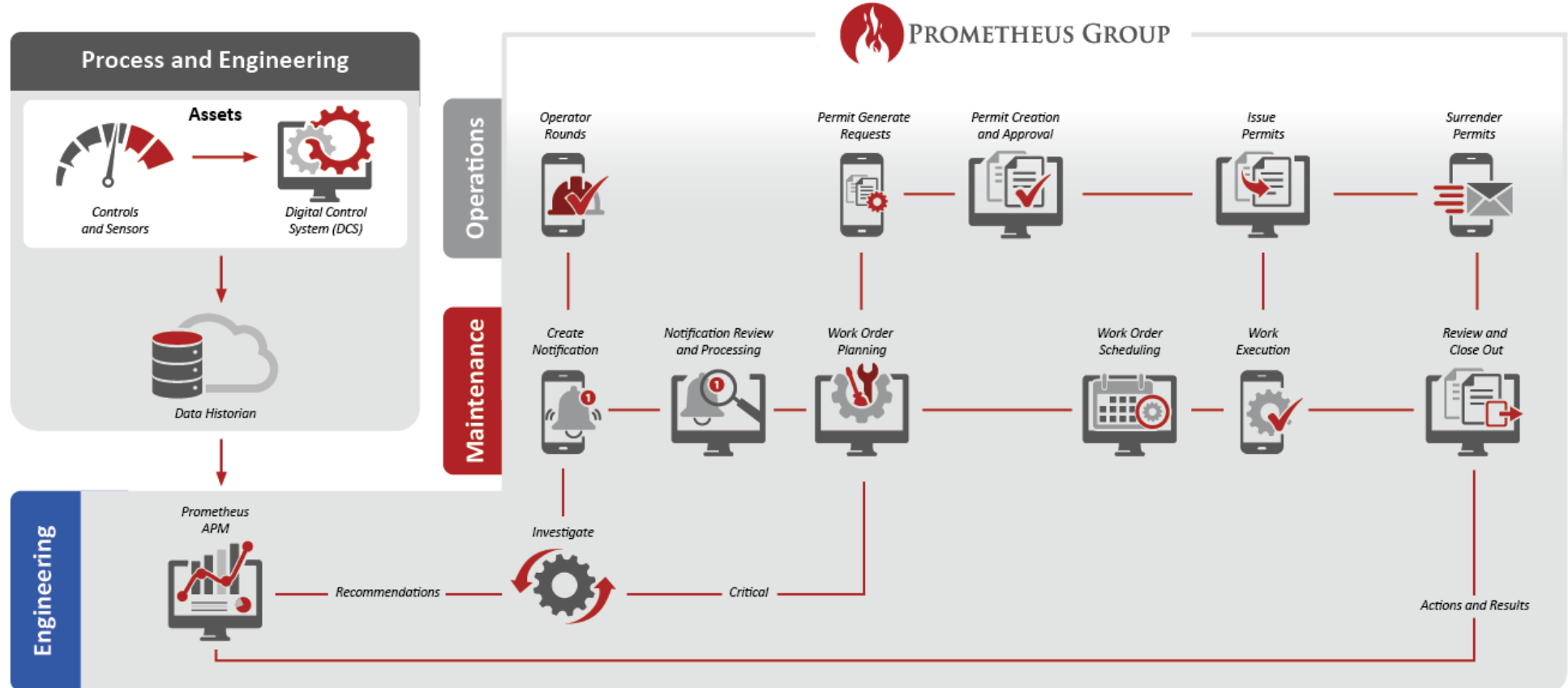
# Prometheus Group and AI

- Prometheus knowledge base – feeds/trains our AI models
- Prometheus Master Data as a Service (MDaaS)
  - 20+ years of PM object cleansing projects
  - Standardized taxonomy, equipment catalog
    - ~4.5M material records, ~500,000 equipment records, ~100,000 BOMs
- Prometheus APM
  - 20+ years of equipment monitoring data
  - Asset issues database (~150,000 issues)



# Prometheus Group and AI

- Focused on REAL use cases with achievable results
- Involves the full maintenance/operations life-cycle



# Speaker Introduction



**Matt Kirchner**

*Chief Product Officer, APM*



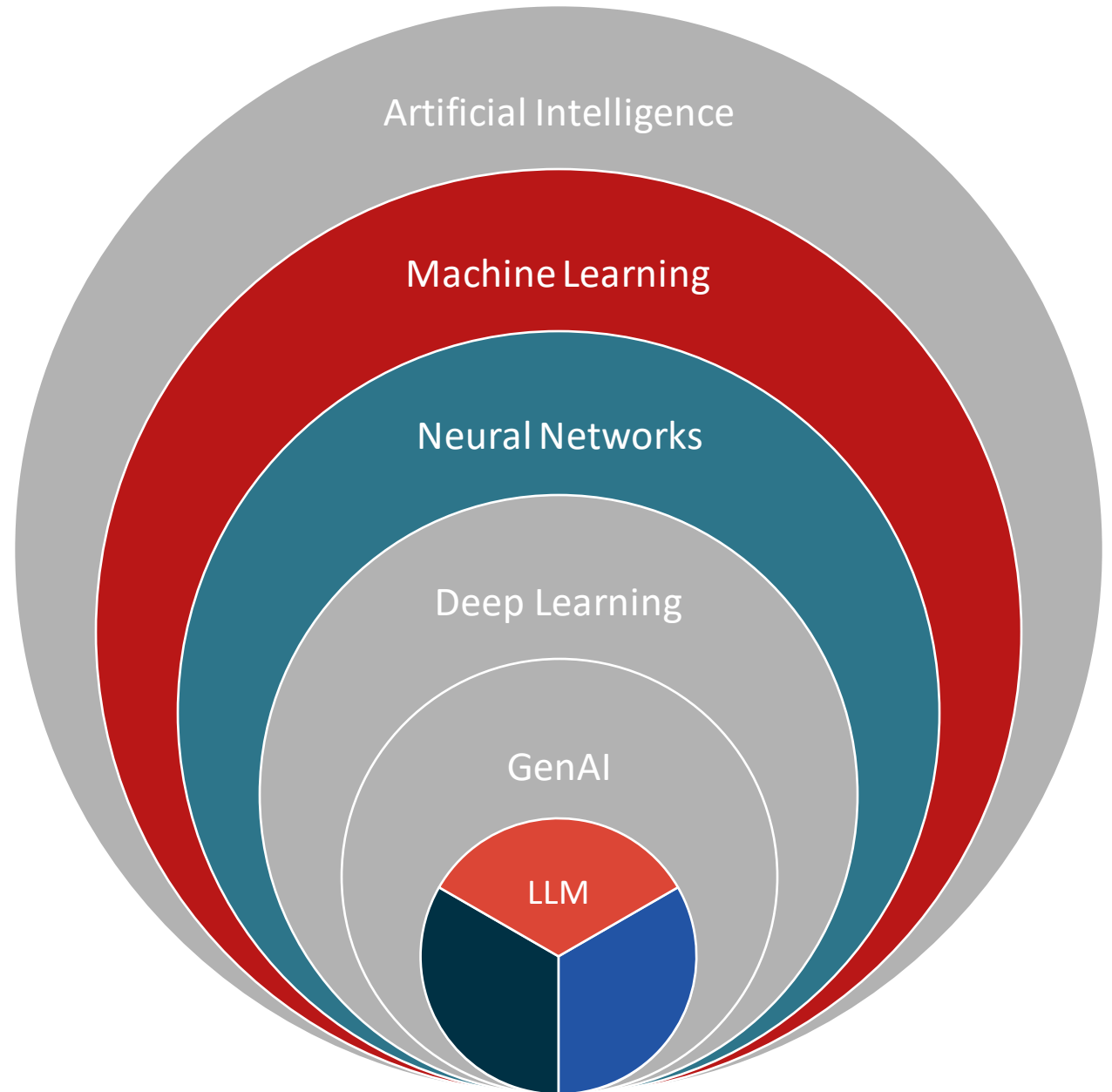
**Stephen Taylor**

*Product Owner, Master Data*



# Prometheus AI

- APM Recommended Actions
- APM Predictive Analytics
- APM Diagnostics
- MDaaS BOM Analysis
- MDaaS Material Cleanse/Enrich



What Else Is New With the Platform?



# Planning and Scheduling

Session tomorrow  
at 3:15 PM!

- Crew Building/Resource Management
- Work Order Planner screen configuration
- Work Order Norms Planning

The screenshot displays a software interface for planning and scheduling. The main window is titled 'Work Packages > 0002-112-0001 / 773 > Activities'. It features a table of activities with columns for Sequence Number, Activity, Activity ID, Op / Act. Number, Activity Memo, and Location. A detailed view of activity 002, 'Place scaffolding', is shown below, including a sub-table for resource planning with columns for Sequence Number, Code, Resource, SAP Sub-Activity, Resource Memo, Circumstances, and Location. The resource 'Scaffolder' is listed for sequence 000.

On the right side, there is a calculation interface. It includes a top bar with numerical values (14.60, 9.00, 1.00, 0.00) and a calculator-like interface with fields for 'Number of Workers', 'Contractor', and 'Contract'. Below this is an 'Estimate' section with a dropdown menu for 'Scaffolding' and a table for 'Calculate Hours' with columns for 'Main Group' and 'Sub Group'. The interface also includes several steps for selecting norms and correction factors, with input fields for 'Quantity' and 'Calculated Hours'.



# Prometheus Mobile

Customer Sessions  
throughout week!

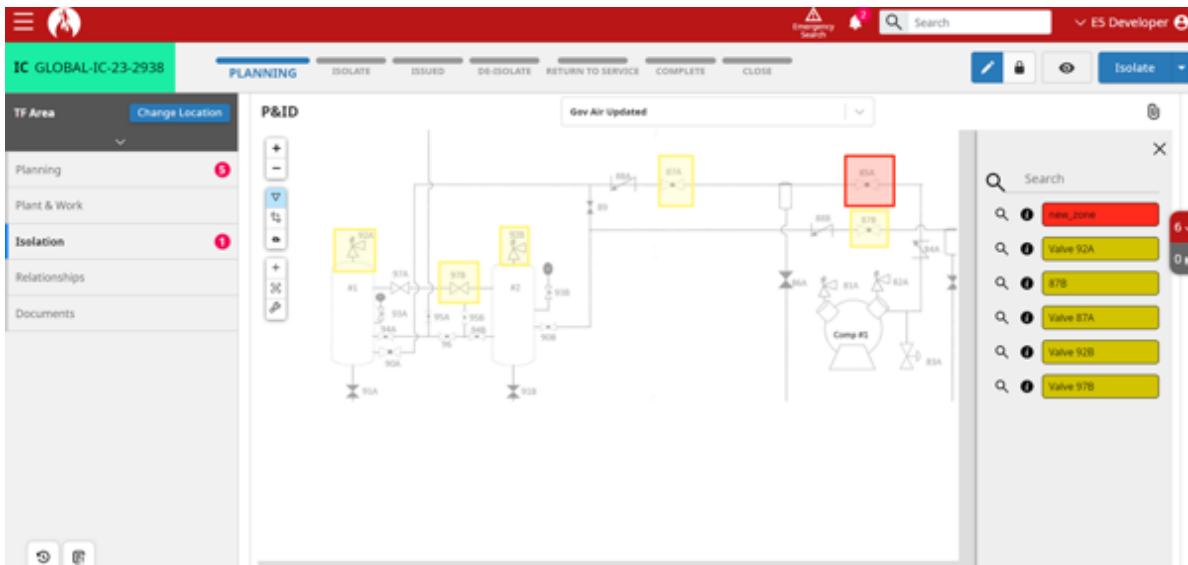
- **Conditional Screen Formatting** – Display relevant fields based on Notification Type, Order Type, etc.
- **Ad-hoc Round Execution** – create new inspections and rounds from the field
- **Confirmation Extensions** – Combine notification and confirmation fields in one screen
- **Permit integration** – Platform support for Prometheus ePAS to view and initiate permits



# Safe Work and Digital Permitting

Session today at  
11:15 AM!

- Plotting Zones
- P&ID enhancements
  - P&ID Isolation management
  - Isolation Certificate integration

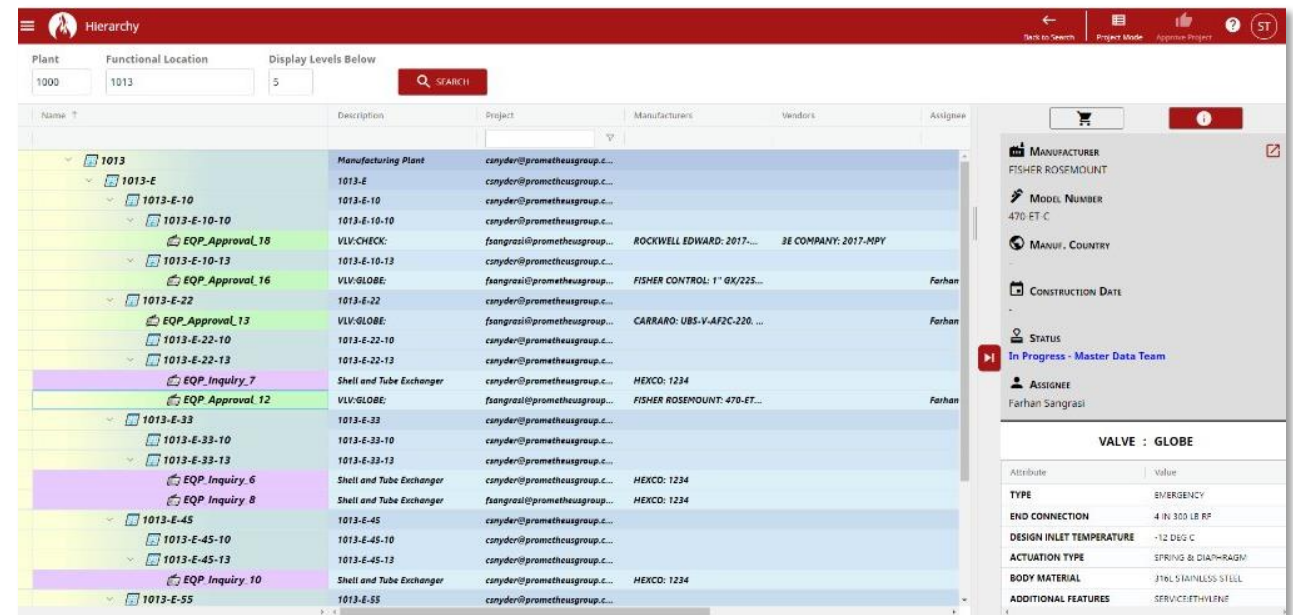




# Master Data as a Service

Session tomorrow  
at 3:15 PM!

- **Functional Location and Equipment Hierarchy Management**
  - Update and mass change asset structures
  - Spreadsheet upload, drag and drop
- **AI-Based process for cleansing and enrichment**
  - Automatically suggest and populate classifications and characteristic values
  - Improved accuracy and faster results



The screenshot displays a software interface for managing equipment hierarchies. The main window shows a tree view of equipment under the plant '1000' and functional location '1013'. The tree includes levels for '1013-E', '1013-E-10', and various equipment types like 'VIV-CHECK', 'VIV-GLOBE', and 'Shell and Tube Exchanger'. A search bar is visible at the top right of the main window. On the right side, a detailed view for 'VALVE : GLOBE' is shown, listing attributes such as TYPE (EMERGENCY), END CONNECTION (4 IN 305 LB RP), DESIGN INLET TEMPERATURE (-12 DEG C), ACTUATION TYPE (SPRING & DIAPHRAGM), BODY MATERIAL (316L STAINLESS STEEL), and ADDITIONAL FEATURES (SERVICE HEAD).

Name	Description	Project	Manufacturers	Vendors	Assignee
1013	Manufacturing Plant	canyder@prometheusgroup...			
1013-E	1013-E	canyder@prometheusgroup...			
1013-E-10	1013-E-10	canyder@prometheusgroup...			
1013-E-10-10	1013-E-10-10	canyder@prometheusgroup...			
EQP_Approval_18	VIV-CHECK	fsangrazi@prometheusgroup...	ROCKWELL EDWARD: 2017...	3E COMPANY: 2017-MPY	
1013-E-10-13	1013-E-10-13	canyder@prometheusgroup...			
EQP_Approval_16	VIV-GLOBE	fsangrazi@prometheusgroup...	FISHER CONTROL: 1" 0X/225...		Farhan
1013-E-22	1013-E-22	canyder@prometheusgroup...			
EQP_Approval_13	VIV-GLOBE	fsangrazi@prometheusgroup...	CARRARO: UBS-V-AF2C-220...		Farhan
1013-E-22-10	1013-E-22-10	canyder@prometheusgroup...			
1013-E-22-13	1013-E-22-13	canyder@prometheusgroup...			
EQP_Inquiry_7	Shell and Tube Exchanger	canyder@prometheusgroup...	HEXCO: 1234		
EQP_Approval_12	VIV-GLOBE	fsangrazi@prometheusgroup...	FISHER ROSEMOUNT: 470-ET...		Farhan
1013-E-33	1013-E-33	canyder@prometheusgroup...			
1013-E-33-10	1013-E-33-10	canyder@prometheusgroup...			
1013-E-33-13	1013-E-33-13	canyder@prometheusgroup...			
EQP_Inquiry_6	Shell and Tube Exchanger	canyder@prometheusgroup...	HEXCO: 1234		
EQP_Inquiry_8	Shell and Tube Exchanger	fsangrazi@prometheusgroup...	HEXCO: 1234		
1013-E-45	1013-E-45	canyder@prometheusgroup...			
1013-E-45-10	1013-E-45-10	canyder@prometheusgroup...			
1013-E-45-13	1013-E-45-13	canyder@prometheusgroup...			
EQP_Inquiry_10	Shell and Tube Exchanger	canyder@prometheusgroup...	HEXCO: 1234		
1013-E-55	1013-E-55	canyder@prometheusgroup...			

Attribute	Value
TYPE	EMERGENCY
END CONNECTION	4 IN 305 LB RP
DESIGN INLET TEMPERATURE	-12 DEG C
ACTUATION TYPE	SPRING & DIAPHRAGM
BODY MATERIAL	316L STAINLESS STEEL
ADDITIONAL FEATURES	SERVICE HEAD



# Shutdowns and Turnarounds

Session tomorrow  
at 2:15 PM!

- Enhanced Budgeting Console
  - Estimation capabilities
  - Portfolio view
- Mobility Enhancements
  - Kitting
  - QA/QC
  - Punchlist tracking
- QA/QC and Work Package Enhancements

The screenshot displays the 'Budgeting > Estimate Snapshots' interface. It features a sidebar on the left with filters for Estimate 1 and Estimate 2, and a main table on the right. The table lists various work packages with their descriptions, current estimates, and preliminary scope values.

Code	Description	Current Work Packages Estimate	ST Fall 2024 - Prelim Scope	Packages Estimate - ST
Total		\$402,290.89	\$0.00	\$402,290.89
7.00001.CP (19)	Capital	\$402,290.89 (100.00%)	\$0.00	\$402,290.89
7.00001.CP.3 (12)	3-Design	\$24,430.95 (6.07%)	\$0.00	\$24,430.95
7.00001.CP.3.E (5)	Engineering	\$24,430.95 (6.07%)	\$0.00	\$24,430.95
7.00001.CP.3.E.035 (4)	Hydrocracker (035)	\$24,430.95 (6.07%)	\$0.00	\$24,430.95
7.00001.CP.3.E.035.C01	Construction 1	\$12,018.73 (2.99%)	\$0.00	\$12,018.73
7.00001.CP.3.E.035.I01	Instrumentation User Co...	\$816.00 (0.15%)	\$0.00	\$816.00
7.00001.CP.3.E.035.M01	Mechanical Package	\$5,789.15 (1.44%)	\$0.00	\$5,789.15
7.00001.CP.3.E.035.P01	Piping Design Package	\$8,007.07 (1.49%)	\$0.00	\$8,007.07
7.00001.CP.3.T (5)	Turnaround	\$0.00	\$0.00	\$0.00
7.00001.CP.3.T.CHM (4)	Chemical Facility (CHM)	\$0.00	\$0.00	\$0.00
7.00001.CP.3.T.CHM.E01	Courtney's Elec Package	\$0.00	\$0.00	\$0.00
7.00001.CP.3.T.CHM.E02	Turner Elec WP	\$0.00	\$0.00	\$0.00
7.00001.CP.3.T.CHM.J01	Instrumentation 1 Mauro	\$0.00	\$0.00	\$0.00
7.00001.CP.3.T.CHM.M01	Mechanical 1	\$0.00	\$0.00	\$0.00



# Asset Performance Management

Session today at  
10:15 AM!

- **New Model Building UI**
  - Create & edit one or many models
  - Simple Operating mode creation
  - Fixed training ranges
- **User Experience Enhancements**
  - Editing Dashboards
  - Custom Hierarchies
- **SAP Integration**
- **AI Integration**



PROMETHEUS GROUP | **USER**  
17TH ANNUAL **CONFERENCE**  
NORTH AMERICA

Thank you! Break time!