

Discover Master Data Management Best Practices and Leverage the Power of AI

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SAPinsider

What We'll Cover

Master Data Management

- Why it Matters
- Best Practices

AI in Master Data Management

- Where does it make sense?
- Opportunities and Limitations

Live Demonstration

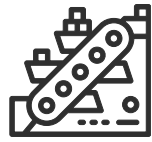
Wrap Up

Prometheus Group

- Founded in 1998
- Headquartered in Raleigh, NC, USA
- 13 global offices and 1000+ employees
- Integrated and intuitive software
- Partnerships with industry leading companies



TOP 10
Oil & Gas



TOP 8
Mining & Metals



TOP 8
Pulp & Paper



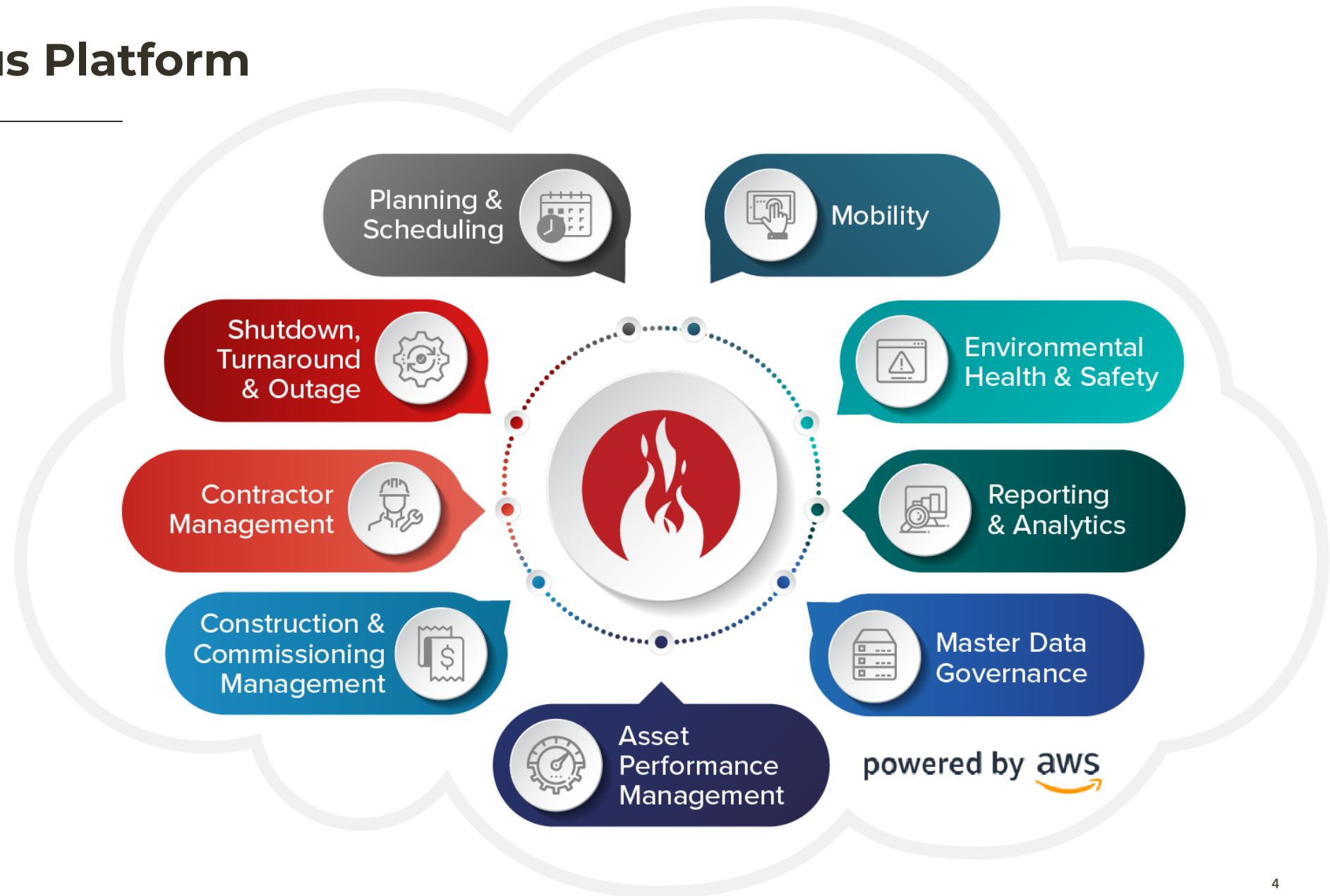
TOP 8
Utilities



TOP 6
Chemical



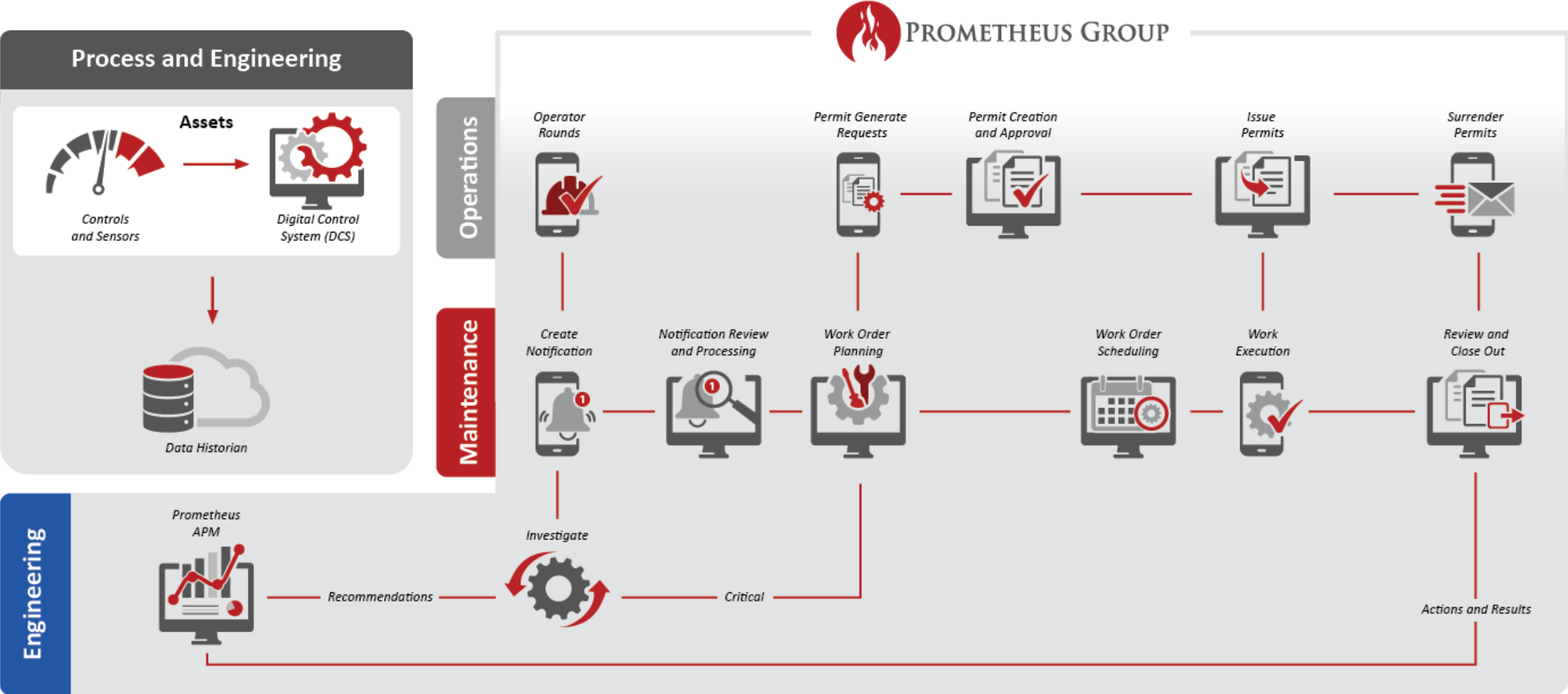
The Prometheus Platform



Key Customers



Maintenance & Engineering Lifecycle



The background features a dark blue field with numerous vertical lines in shades of orange, green, and pink. A network of thin blue lines with small circular nodes is overlaid, creating a digital or data-centric aesthetic. The overall effect is one of high-tech connectivity and data flow.

Master Data Management

While good data can be your most strategic asset...bad data can be catastrophic!



Data you don't trust
Isn't data.



56%

of CEOs are concerned about the quality of their data.



8%

of organizations have reached "transformational" levels of maturity in data and analytics.



3%

of company data meets a minimum threshold for data quality.

Sources

KPMG, 2017 Global CEO Outlook

Gartner, Survey Analysis: Traditional Approaches Dominate Data and Analytics Initiatives, Feb 5, 2018,

Harvard Business Review, Only 3% of Companies' Data Meets Basic Quality Standards, Sept 11, 2017

“If you don’t have your data under control, you don’t need SAP S/4HANA...
You would just be analyzing wrong data faster!”

Dr. Jürgen Sturm,

former CIO at Siemens BSH group, keynote speech at DSAG Annual Congress 2014

The Business Impact

Improved Maintenance Productivity



- Increase maintenance 'wrench-time'
- Added cycles for deferred maintenance
- Improved asset information context for informed troubleshooting & repair

Increased Operational Efficiency



- Reduce downtime from equipment failure
- Lower mean-time-to-repair
- Increase asset availability

Reduced MRO Supply Chain Costs



- Enables accurate prediction of spares needs
- Facilitates identification of obsolete inventory
- Minimizes expedited procurement

Decreased EH&S Risks



- Accurate, complete information enables informed decisions, reduces risks for maintenance staff and operators

Improved Auditability



- Improved financial accountability
- Ensures regulatory compliance
- Reduces product liability risks from quality

Achievement of Operational Excellence



- Enables achievement of top quartile performance through advanced maintenance techniques such as reliability-centered-maintenance, risk-based inspection, performance analytics

Ensuring accurate, complete asset master data can have a direct impact on reducing environmental, health & safety risks, improving operational performance and maintaining regulatory compliance.

Prometheus Methodology: "Get it Clean, and Keep it Clean"



- 1 BUILD**
 - Establishing global taxonomy
 - Internationally recognized standards (ISO14224, UNSPSC)
 - Business Rules
 - Data Quality Culture
- 2 FIX**
 - Data quality improvement
 - Data quality monitoring
 - Data remediation / transformation
 - De-Duplication
- 3 SUSTAIN**
 - Data governance process
 - Data governance organization
 - Data governance implementation
 - Master Data as a Service + SAP MDG

The background features a dark blue grid filled with faint, light blue numbers. Overlaid on this grid are several glowing blue lines that form a complex, interconnected pattern, resembling a stylized network or data flow. The lines vary in brightness and thickness, creating a sense of depth and movement.

AI in Master Data Management

Where It Makes Sense

Cleansing and Standardization of poor and unstructured data

- Pattern recognition
- Data trends & anomalies
- Automation of repetitive tasks

Reconciling Data

- What *should* be here vs. What *is* here

Creation of New Records

Cleansing of Records

Cleansing Page

Enable Background Refresh

Act

Filter: No filter

x




Customer: Client Feb 28 2024

AI Records to Process: 334

Drag here to set row groups

#		Original Short Text	Original Long Text	Noun	Modifier			Part #
368585	✓	VALVE,BALL,SS, 3/4",FLANGED ...	0 ZZA 3/4 VELAN F01413-SSEA ...	VALVE	BALL		VELAN	F01413-SSEA
368586		FUSE, PEAK CC TD, LPCC-5	FUSE Peak CC TD LPCC-5			FUSE:CARTRIDGE		
368587		FUSE, J TD, LPJ1 6/10SP, 600V	FUSE 600V J TD -LPJ1 6/10SP-			FUSE:CARTRIDGE		
368588		FUSE, J TD, LPJ100SP, 600V	FUSE 600V J TD -LPJ100SP-			FUSE:CARTRIDGE		
368589		FUSE, J TD, LPJ10SP, 600V	FUSE 600V J TD -LPJ10SP-			FUSE:CARTRIDGE		

Creation of New Records

  Requests 

Hello there!

My name is **MIRA**, your

MDaaS
Interactive
Request
Assistant

To begin, please enter a manufacturer and part number,
and I will guide you through creating a material request.

“AI is not a replacement for investing,
establishing, and maintaining a culture
data governance”



AI Has Its Limitations

Complex Decision-Making

- AI struggles with decisions that require understanding of context, nuance, and ethical considerations. It often cannot weigh abstract concepts and long-term consequences as humans can.

Creativity and Innovation

- AI does not possess creativity in the human sense; it can generate new content based on existing patterns but does not have the intrinsic ability to create new ideas.

Physical Tasks

Understanding Context



**Live
Demonstration**

Wrap Up

Partner to ensure your master data is created the right way and leverage software solutions to establish ongoing governance

- “Get it Clean, and Keep it Clean”

AI enhancements to Master Data Management are incredibly effective when used appropriately

Key Points to Take Home

- Partner to ensure your master data is created the right way and leverage software solutions to establish ongoing governance
 - “Get it right, keep it right”
- AI enhancements to Master Data Management are incredibly effective when used appropriately
- AI is not a replacement for investing, establishing, and maintaining a culture data governance

Where to Find More Information

Master Data Is the Key To Successful S/4HANA Transformation

www.prometheusgroup.com/resources/master-data-is-the-key-to-successful-s4hana-transformation

- Whitepaper explaining how properly governed and structured master data can play a key role in your S/4HANA transformation to ensure its success and maximize your ROI.

Enterprise Asset Management: Improve Your Bottom Line Through Clean and Standardized Master Data

www.prometheusgroup.com/resources/enterprise-asset-management-improve-your-bottom-line-through-clean-and-standardized-master-data

- Whitepaper discussing how you can improve your company's bottom line through clean and standardized master data.

Chevron Uses Prometheus Planning & Scheduling, MDG, and Analytics for Success in S/4HANA

www.prometheusgroup.com/resources/chevron-uses-prometheus-planning-scheduling-mdg-and-analytics-for-success-in-s4hana

- Case study showcasing how Chevron increased efficiency and successfully supported their move to S/4HANA with accurate master data.

The Business Case for Asset Master Data Quality in Asset Intensive Organizations

www.prometheusgroup.com/resources/the-business-case-for-asset-master-data-quality-in-asset-intensive-organizations

- Whitepaper discussing the business impact master data has on your organization.

Master Data: Streamline Master Data Governance with Prometheus Master Data-as-a-Service

www.prometheusgroup.com/solutions/master-data



Thank you!
Questions?

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