Does More Data Always Mean Better Data?

March 16, 2021
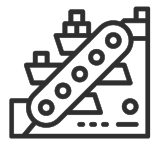
Prometheus Group

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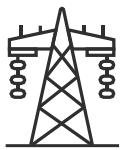- Partnerships with industry leading companies

TOP 8
Oil & Gas

TOP 7
Mining & Metals

TOP 7
Pulp & Paper

TOP 6
Chemical

TOP 6
Utilities

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SAP® Certified
Integration with SAP S/4HANA®
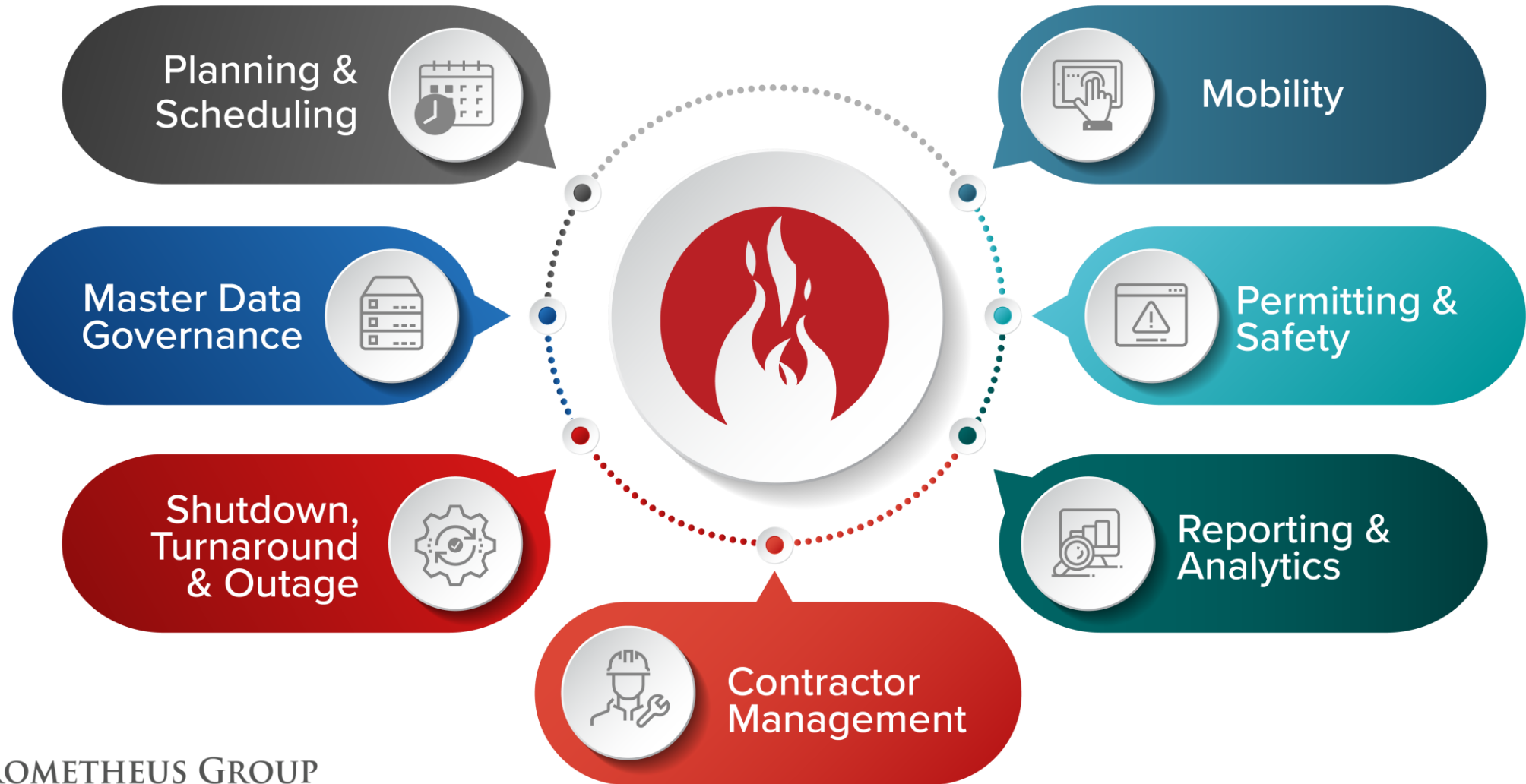
SAP Partner

ORACLE® Gold Partner

IBM Business Partner

Key Customers

The Prometheus Platform

Trends in Reporting & Analytics

- More data is becoming available
  - Expanded adoption of IIoT makes more data available for analysis
  - Increase in technology in plants – sensors, PLCs, mobility, monitoring, etc.
- AI & Machine Learning are a common goal
  - However, most companies haven't even achieved the first step towards Machine Learning
- Available Analytics software providers are increasing, but most don't address key issues

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Steps to Identifying Data Points

- Establish equipment criticality
  - Not all assets are created equal
  - Formal or informal equipment criticality definition guides next steps of decision making
- Establish your targeted metrics
  - Set goals *before* considering data collection
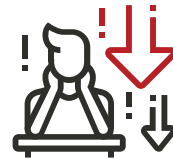- Use targeted metrics to define data points and collection method

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Key Issues & Challenges

Analytics and KPI solutions exist within corporations, but no support for Maintenance and relevant departments

Workarounds (e.g., Excel) are labor intensive, leave room for error or purposeful manipulation of data

If ERP/EAM/CMMS is used, results are rigid, limited, time consuming to obtain

Too much time is spent on getting the appropriate metrics to report up to management, not enough time spent analyzing

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Demonstration

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Pre-Bundled Package Offering Example

- Optional pre-defined bundle of 10 best practice maintenance metrics

  - Resource Utilization
  - Percent Break-In Work
  - PM Compliance
  - Scheduled Task Compliance
  - Past Due Orders

  - Planned vs. Actual
  - Work Type Breakdown
  - Total Backlog
  - Planner Efficiency
  - Daily Schedule Adherence

- Customer-defined metrics can also be used in collaboration with Analytics Solutions Architect; this is optional packaging

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Proven Savings with Analytics

- Analytics saves a leading Tire & Rubber company **40 hours** per week
  - Time previously spent compiling reports is now spent doing value-added actions like walking down jobs, promoting safety, and performing other value-added actions on the floor

- A food and bev company saves **135 hours** every month while enjoying increased accuracy of metrics
  - Eliminated subjectivity by providing standardization across sites

- A top Oil & Gas company automated "printing" process
  - Automated chart distribution to applicable parties

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Questions?

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Thank you

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