

Decreasing Your Maintenance Costs with MDaaS

October 20, 2022

| Erik Klein – *Functional Consulting Team Lead, MDaaS*

| Jon-Luc Kelly – *Functional Consultant, Asset Master Data Practice*



PROMETHEUS GROUP

Agenda

- Prometheus Group
- Master Data as a Service (MDaaS)
- Example Record
- Demonstration of MDaaS



Prometheus Group



PROMETHEUS GROUP

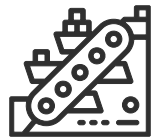
Prometheus Group

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



TOP 10

Oil & Gas



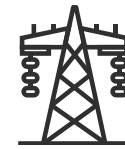
TOP 8

Mining & Metals



TOP 8

Pulp & Paper



TOP 8

Utilities



TOP 6

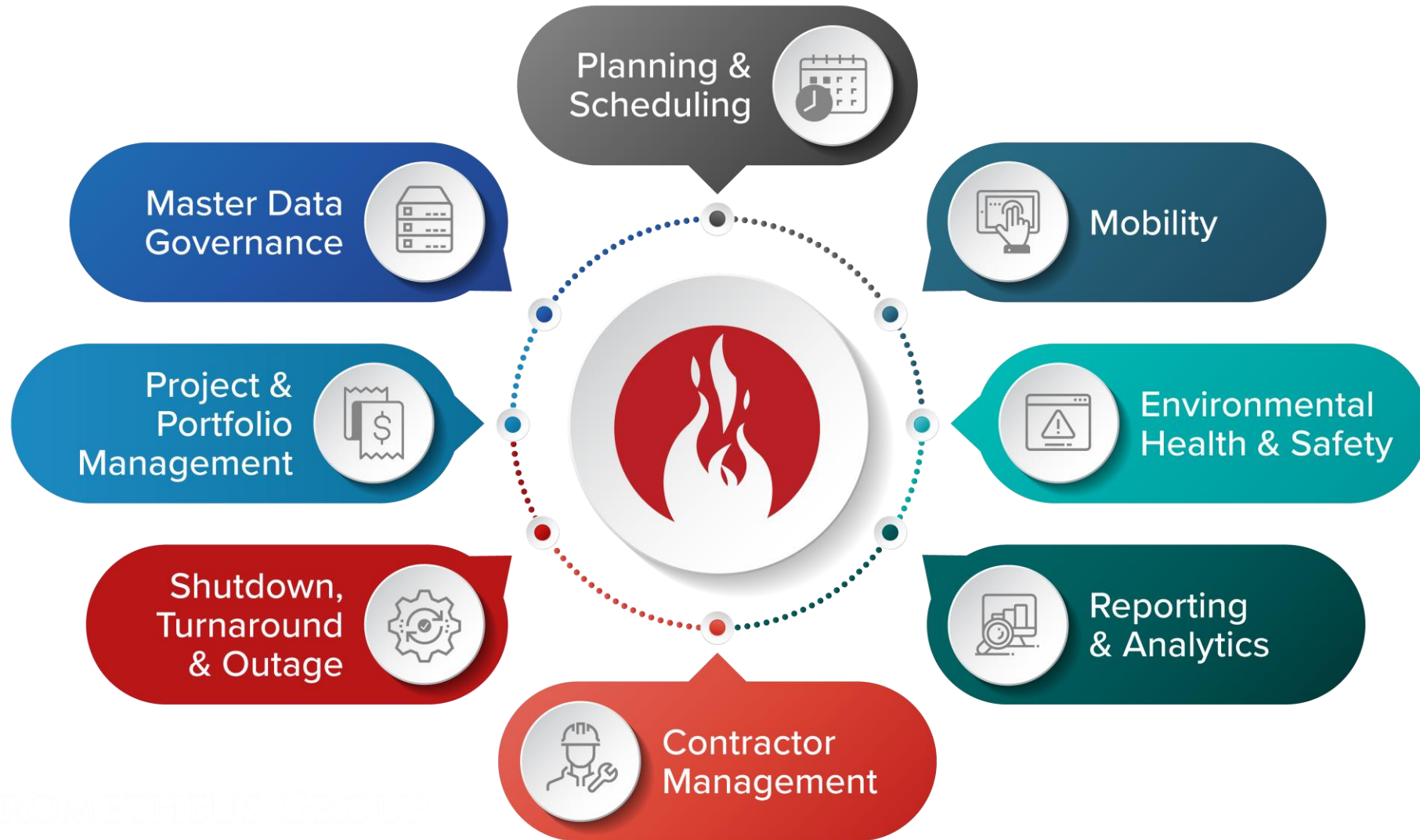
Chemical

SAP® Certified
Integration with SAP S/4HANA®

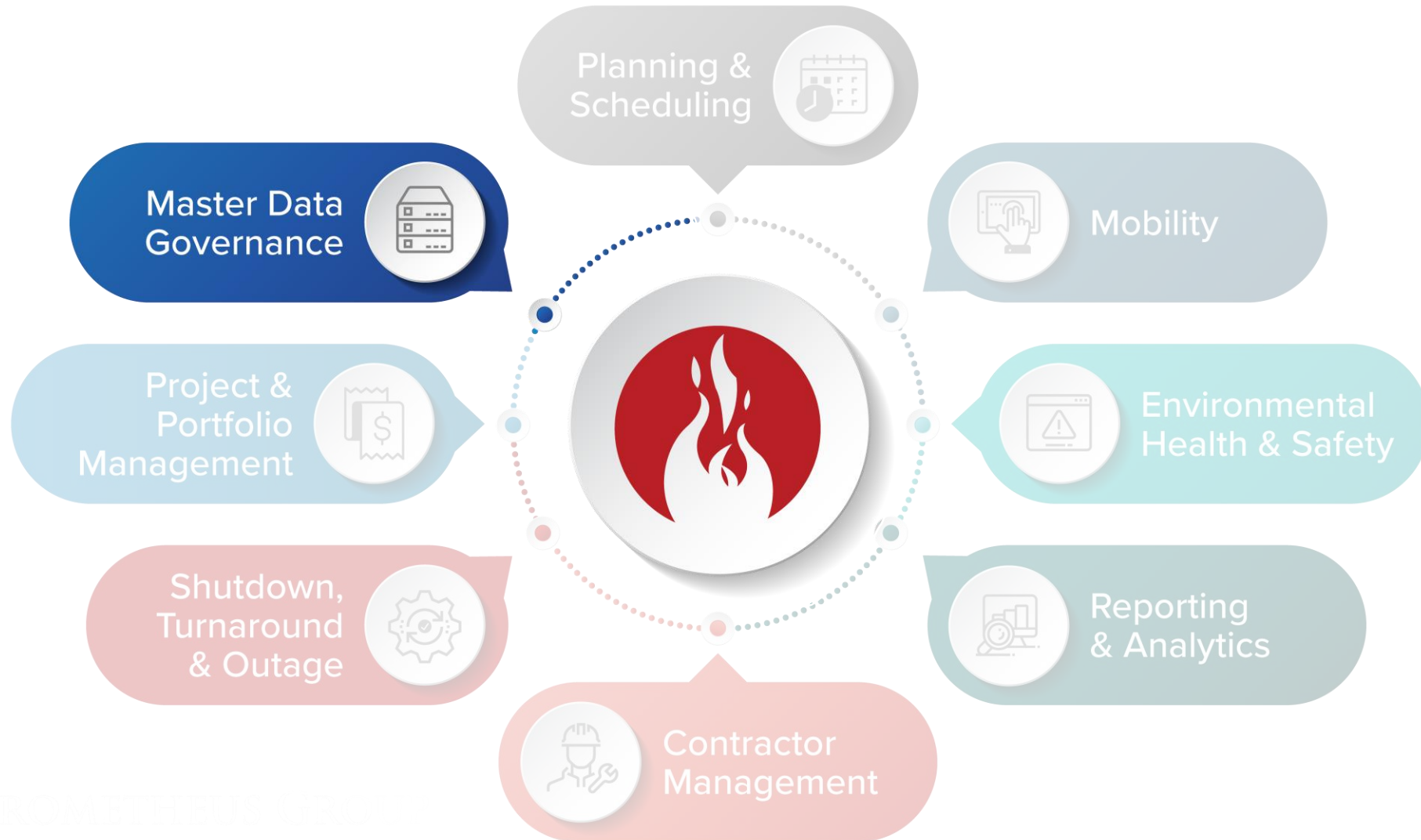
ORACLE® Gold Partner



The Prometheus Platform



The Prometheus Platform



Key Customers



Master Data as a Service Explained



PROMETHEUS GROUP

Master Data as a Service (MDaaS)

- Web-based software offering an end-to-end solution for master data quality, governance and ongoing sustainment.
- MDaaS leverages our extensive database of standards
 - Establishes standard taxonomies based on internationally recognized standards
 - Classes & Characteristics
 - Catalog profiles
 - Short and Long text descriptions
 - Characteristic values
 - Translations
- Included Data Governance Module
 - Configurable workflow
 - Web-based Customer interface

Master Data Objects Covered by MDaaS



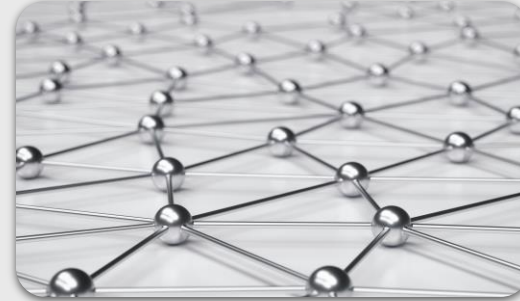
EAM

- Functional Locations
- Equipment Masters
- Bills of Material
- Maintenance Plans
- Task Lists
- Work Centers
- Measuring Points
- Service Masters



Supply Chain

- Material Masters
- Bill of Materials



Business Partner

- Customer Master
- Vendor Master



Finance

- Fixed Asset

Master Data as a Service (MDaaS)



Capture

Collect

MDaaS **CAPTURE**

Mobile app for photo-based field data collection

Intelligent image processing and data extraction

Crowd and AI-based data enrichment



Cleanse

Classify

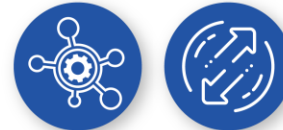
Crowd

MDaaS **ENRICH**

Standards-centric classification

Drawing and manufacturer's website-based data mining

Machine learning-based data cleansing & enrichment



Compare

Connect

MDaaS **MIGRATE**

Auditable file comparison and tracking

Integrates with commercial ETLs

Supports all major ERPs



Combine

Create

Control

MDaaS **SUSTAIN**

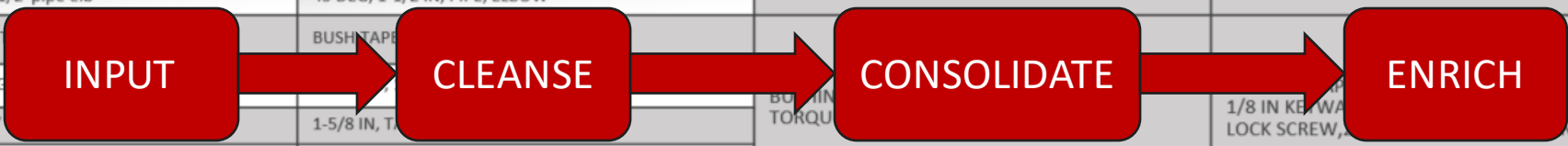
Master Data Management best practice templates

Workflow-driven review & approval

Automated business rules for data validation

MDaaS Automated Materials Data Enrichment Process

INPUT DATA	CLEANSED DATA	CLEANSED, STANDARDIZED AND CONSOLIDATED DATA	ENRICHED DATA
BALL BEARING 15x35x11	BALL BEARING, 15MM,35MM,11MM	BEARING,BALL, 15 MM,35 MM,11 MM	BEARING,BALL;DEEP GROOVE,15 MM ID,35 MM OD,11 MM W,6200 SERIES,1 ROW,1 SHIELD, STEEL,PRESSED CAGE,2 DEG MISALIGNMENT,8.06 KN DYNAMIC,3.75 KN STATIC
BALL BRG 15 X35 X11 MM	BALL BEARING, 15MM,35MM,11MM		
BALL BEARING Ø15X11X35 MM	BALL BEARING, 15MM,35MM,11MM		
15X11X35 BEARING BALL	15MM,35MM,11MM,BEARING BALL		
CARTRIDGE FUSE FAST ACTING 600 VAC 30 A	CARTRIDGE FUSE, FAST ACTING, 600 VAC, 30 A	FUSE,CARTRIDGE, FAST ACTING,600 VAC,30 A	FUSE,CARTRIDGE;FAST ACTING,600 VAC,30 A,200 KA,END CAP,NICKEL PLATED BRASS,MELAMINE TUBE,CSA
CARTRIDGE FUSES FAST ACTING 600 VAC 30 AMPERE	CARTRIDGE FUSE, FAST ACTING, 600 VAC, 30 A		
FAST ACTING CARTRIDGE FUSES 600 VAC 30 AMP	FAST ACTING CARTRIDGE FUSE, 600 VAC, 30 A		
CARTRIDGE FUSES 600 VAC 30 AMPERE, FAST ACTING	CARTRIDGE FUSE, 600 VAC, 30 A, FAST ACTING		
45 DEG ELBOW PIPE ADTPTR	45 DEG, ELBOW, PIPE, ADAPTER	ELBOW,PIPE,ADAPTER,45 DEG,1-1/2 IN	ELBOW,PIPE;ADAPTER,45 DEG,1-1/2 IN,SCH 40,200 PSI,CARBON STEEL,BLACK OXIDE,ASTM A106,1-1/2 IN NPS X 1-1/2 IN NPS,1.94 IN CENTER TO END DISTANCE
1-1/2 INCH X 45 DEGREE PIPE ELBOW	1-1/2 IN, 45 DEG, PIPE, ELBOW		
pipe elbow 45° 1 1/2" n° 45	PIPE, ELBOW, 45 DEG, 1-1/2 IN		
45° 1 1/2" pipe elb	45 DEG, 1-1/2 IN, PIPE, ELBOW		
BUSH TAPER LOCK SCREW	BUSH TAPER LOCK SCREW	TORQUE 4300 LB-IN, TAPER BUSHING, LOCK	TORQUE 4300 LB-IN, TAPER BUSHING, LOCK
BUSHING TORQUE 4300 LB-IN	BUSHING TORQUE 4300 LB-IN		
1-5/8" TORQUE 4300 LB-IN	1-5/8 IN, TORQUE 4300 LB-IN		
TORQUE 4300 LB-IN TAPER BUSHING LOCK	TORQUE 4300 LB-IN, TAPER BUSHING, LOCK		



Examples of MDaaS



Raw Data Provided to for MDaaS

Item Number	0101030348
Item Description	439569, ACTUATOR, PNEUMATIC, MODEL LT-A-101, LP-A-101, LVS
Vendor Item Number	439569
Vendor Currency	CAD
Vendor Contact	
Vendor Contract Reference	BISON - PRICE AGREEMENT JUL. 8/21
Vendor Location	CANADIAN VENDOR-OUTSIDE SASK.
Quantity on Hand	1
Quantity in Stock	Yes

End Result: Fully Cleansed/Enriched record

- Record Built to UNSPSC 31251504
- Material Descriptions Standardized
- Vendor and Manufacturer Information Added

Item Number	0101030348
Item Description	439569, ACTUATOR, PNEUMATIC, MODEL LT-A-101, LP-A-101, LVS
Material Treatment Status	Enriched
Short Description	LT-A-101 Pneumatic Actuator Class: Actuator; Sub Class: Pneumatic; Type: Pneumatic Cylinder; Bore Size: 3.93in; Stroke: 5.25in; Inlet Size: 8.25in; Connection Type: FTP; Rod Size: 16.5in; Material: Brass; Torque Rating: 12 lb-ft; Pressure Rating: 1800psi; Temperature Rating: -65F to +210F; Mounting Type: Tank Mounting; Certifications / Standard: ROHS;
Long Description	
UNSPSC	31251504
UNSPSC Description	Pneumatic Actuators
Noun	Actuator
Modifier	Pneumatic Actuator
Class	Actuator
Sub Class	Pneumatic
Type	Pneumatic Cylinder
Bore Size	3.93in
Stroke	5.25in
Inlet Size	8.25in
Connection Type	FTP
Rod Size	16.5in
Material	Brass
Torque Rating	12 lb-ft
Pressure Rating	1800psi
Temperature Rating	-65F to +210F
Mounting Type	Tank Mounting
Certifications / Standard	ROHS

Manufacturer Name 1	ANSUL
Manufacturer Part Number 1	439569
Vendor Name 1	BISON
Vendor Part Number 1	439569
Vendor Currency 1	CAD
Vendor Contract Reference 1	BISON - PRICE AGREEMENT JUL. 8/21
Vendor Location 1	CANADIAN VENDOR-OUTSIDE SASK.
Vendor Name 2	Laitetori
Vendor Part Number 2	8998
Vendor Name 3	The Big Red Guide
Vendor Part Number 3	439569
Vendor Name 4	Fire Systems Products
Vendor Part Number 4	439569
Vendor Name 5	AB Supply
Vendor Part Number 5	439569
Vendor Name 6	IFAS
Vendor Part Number 6	AN439569
Vendor Name 7	L&J Fire Equipment
Vendor Name 8	439569
Source Description	https://www.ansul.com/en/us/DocMedia/F-95143.pdf
Drawing Number	152-33
Drawing Item Number	1
Model Number	30004457
Serial Number	160003345



Demonstration



PROMETHEUS GROUP

Questions?



PROMETHEUS GROUP



PROMETHEUS GROUP

Erik Klein - edanfordklein@prometheusgroup.com

Jon-Luc Kelly – jkelly@prometheusgroup.com