

AVEVA PI WORLD



Scaling the digital journey

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AVEVA

Who am I?

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37,000
EMPLOYEES

86

BILLION SEK IN REVENUES

60

R&D CENTERS
GLOBALLY

SALES IN OVER

160

COUNTRIES
AROUND THE GLOBE

3.4 BILLION SEK
ANNUAL R&D
INVESTMENT

6,000
ACTIVE PATENTS



WORLD-LEADING POSITIONS

TECHNOLOGY LEADERSHIP



METAL CUTTING AND
MACHINING SOLUTIONS



MINING AND
ROCK SOLUTIONS



ROCK PROCESSING
SOLUTIONS



ADVANCED MATERIAL
KNOWLEDGE



SANDVIK MINING
& ROCK SOLUTIONS



SANDVIK ROCK
PROCESSING SOLUTIONS



SANDVIK MANUFACTURING &
MACHINING SOLUTIONS



SANDVIK MACHINING
SOLUTIONS



SANDVIK MANUFACTURING
SOLUTIONS

SANDVIK MATERIALS
TECHNOLOGY



SANDVIK COROMANT



Worldwide presence
(own offices in 45 countries)

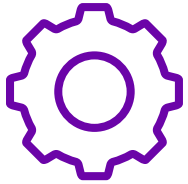


7600 employees



2500 new
products/year

World-class digital operations



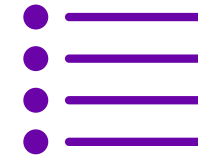
Challenge

- Provide a contextualized connected digital infrastructure cross our enterprise for equipment, sensors, facilities and plant generated information meeting our business strategy.
- Integrate to business processes and systems for a vertical and horizontal 360 view.



Solution

- Deployed the latest AVEVA PI System technology including PI AF, PI Vision, BI Integrator as an advanced foundation and base for Asset and Process Monitoring, Condition Based Maintenance, Advanced Analytics and more

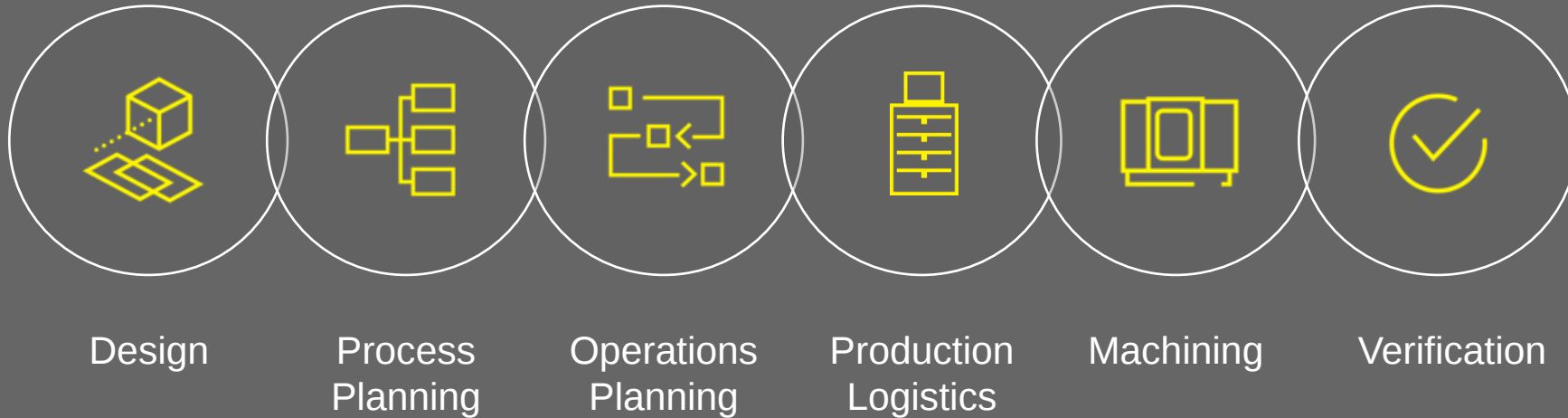


Benefits

- Global scalability with one version of the truth, i.e., consistent templates for all equipment globally.
- Grow our base models with more (complex) data and to support our digital journey going forward

Our Vision

Enable the optimization of the seamless manufacturing value chain



Sandvik Coromant Approach

- Started as a global project to set the foundation
 - Now we are performing a full-scale rollout on Coromant PU's globally.
- Implemented SAP EAM as base for structure and globalization of templates.
- The template is the base for scale and having apples as apples
- Adding on Process data, Sensors and other types of information into the model
- Scales into advanced analytics , reporting and integration to enterprise landscape
- New insight drives need for more insight, but;
- Administration and lack of strategic approach may hinder the end-user benefit very quickly

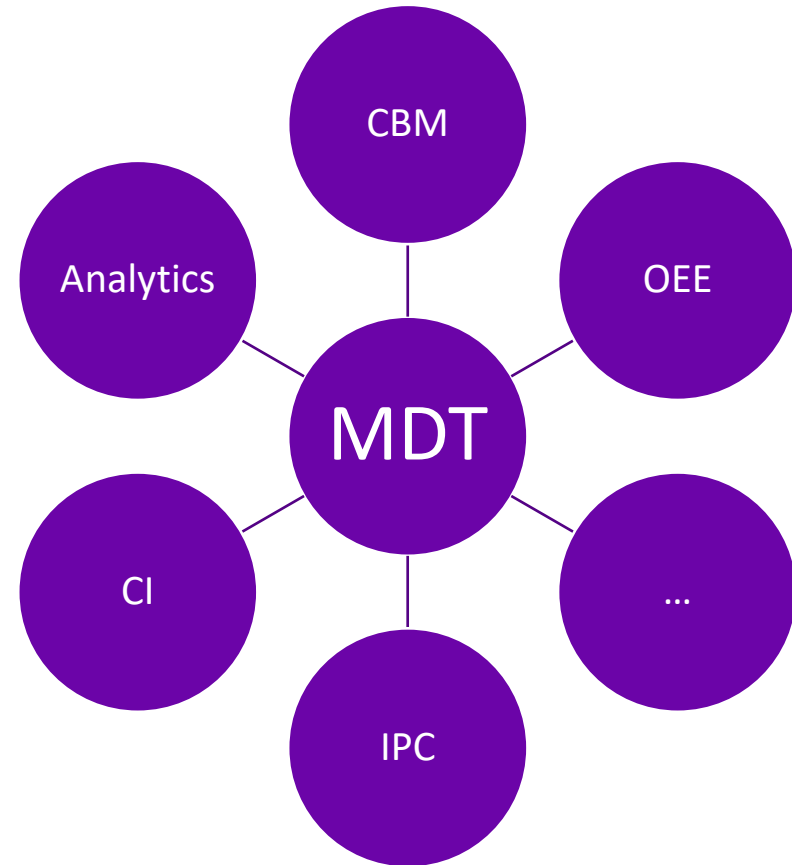


Asset Framework – The base for expansion

- Decouple and transform technical data to business information.
- Scale from “POC Hell” to global rollout
- Embed domain expertise into the models
- Contextualize the data for additional values
- Integrate to existing business processes is a must?
- Integrate to existing and changing enterprise landscape
- Decide on a model for templates but be agile in the way changes is addressed

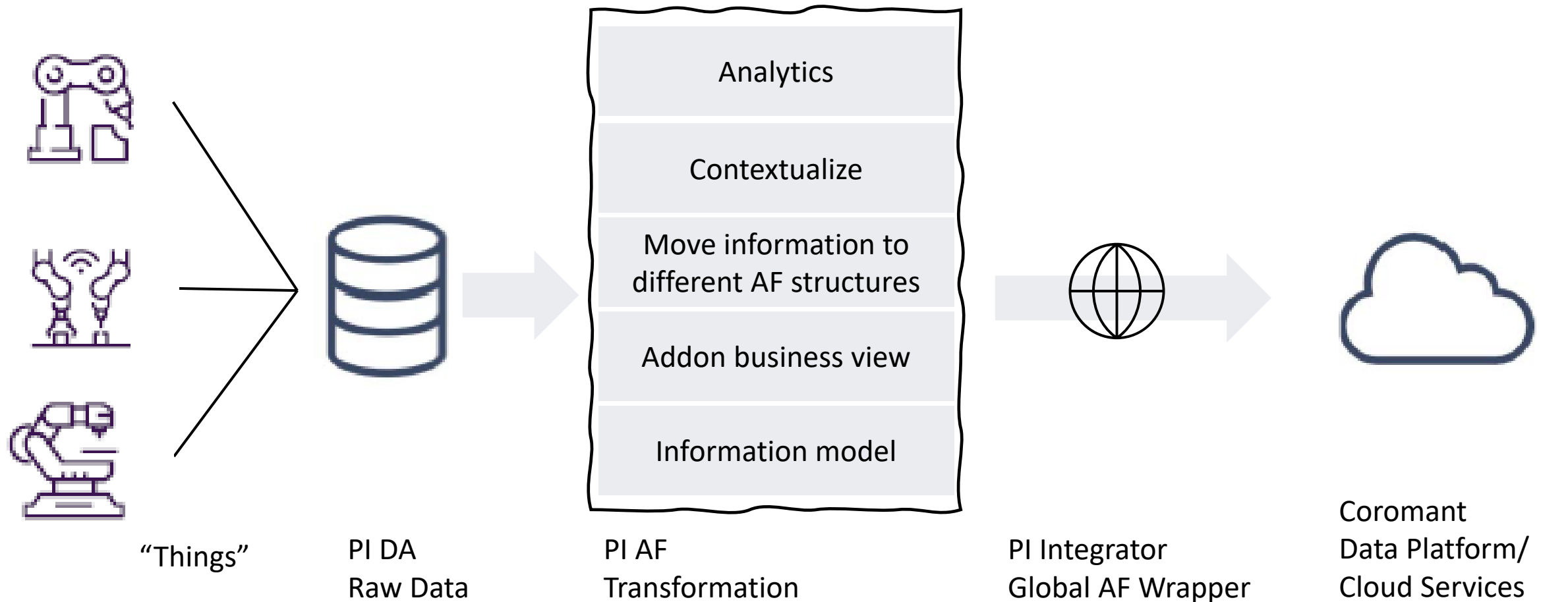
Manufacturing Data Templates

- OEE visualization and financial reports
- Machine condition monitoring and process control
- Measurement data digitalization
- Sustainability
- Information and data management for different operation
- Base for advanced analytics
- Digital twins
- CBM



From sensor to cloud (Globally)

Without a single line of “code”





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