Data Exposure & Analytics

Henrik Weimer
AIRBUS

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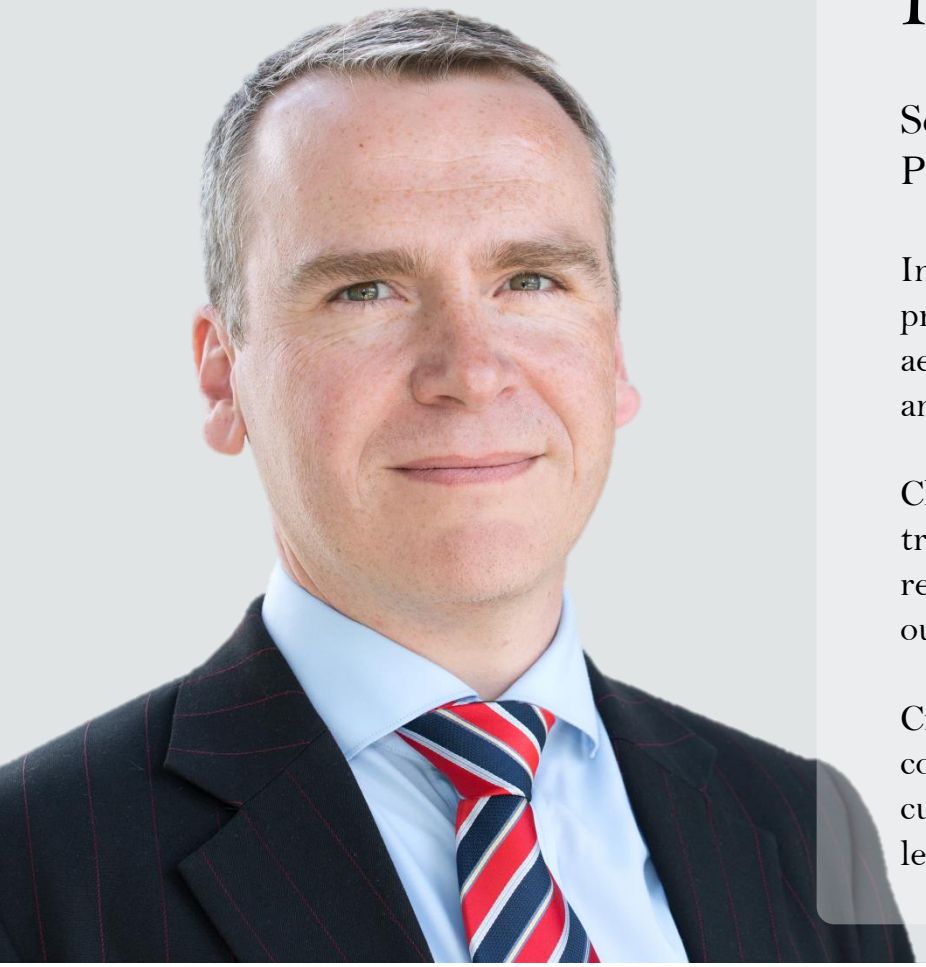
Biography



Henrik Weimer

Senior Manager, AIRBUS
PLM Strategy, Architecture, and Business Plan

International IT executive with more than 20 years of program and project management experience in the aerospace & defense, automotive, petrochemical, medical, and technology industries.

Change leader with expertise in large PLM transformation programs. Experience in worldwide & regional operations, both off-shore and on-shore outsourcing.

Creative and innovative strategic thinker. At ease in a complex international context spanning borders and cultures. Focus on human relationships with strong leadership and people skills.

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We are part of Airbus Group

AIRBUS GROUP

136,000+
Total workforce

€1,006billion
Order book

€64.4billion
Annual revenue

AIRBUS

AIRBUS HELICOPTERS

AIRBUS DEFENCE & SPACE

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The most global aerospace player – close to our customers worldwide

The numbers

-

11 Production sites

4 Assembly line locations

5 Training centres

4 Engineering centres

3 Customer support centres

10 Materials & logistics centres*

*Satair Group

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Delivering value for airlines and enabling people to connect

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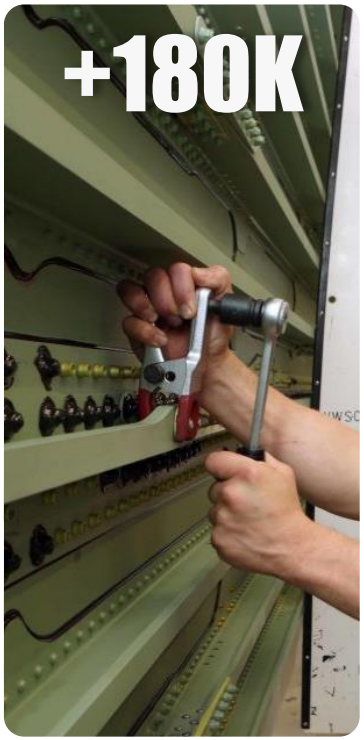
OEM Context

AIRBUS

Catalog Options

Engineering Changes

Assemblies



Design Solutions

Specific Parts

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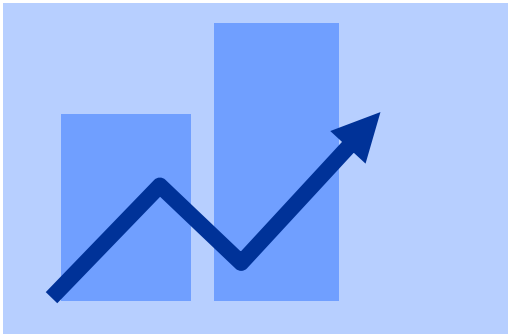
Data Exposure & Analytics

DATA

is the new

OIL



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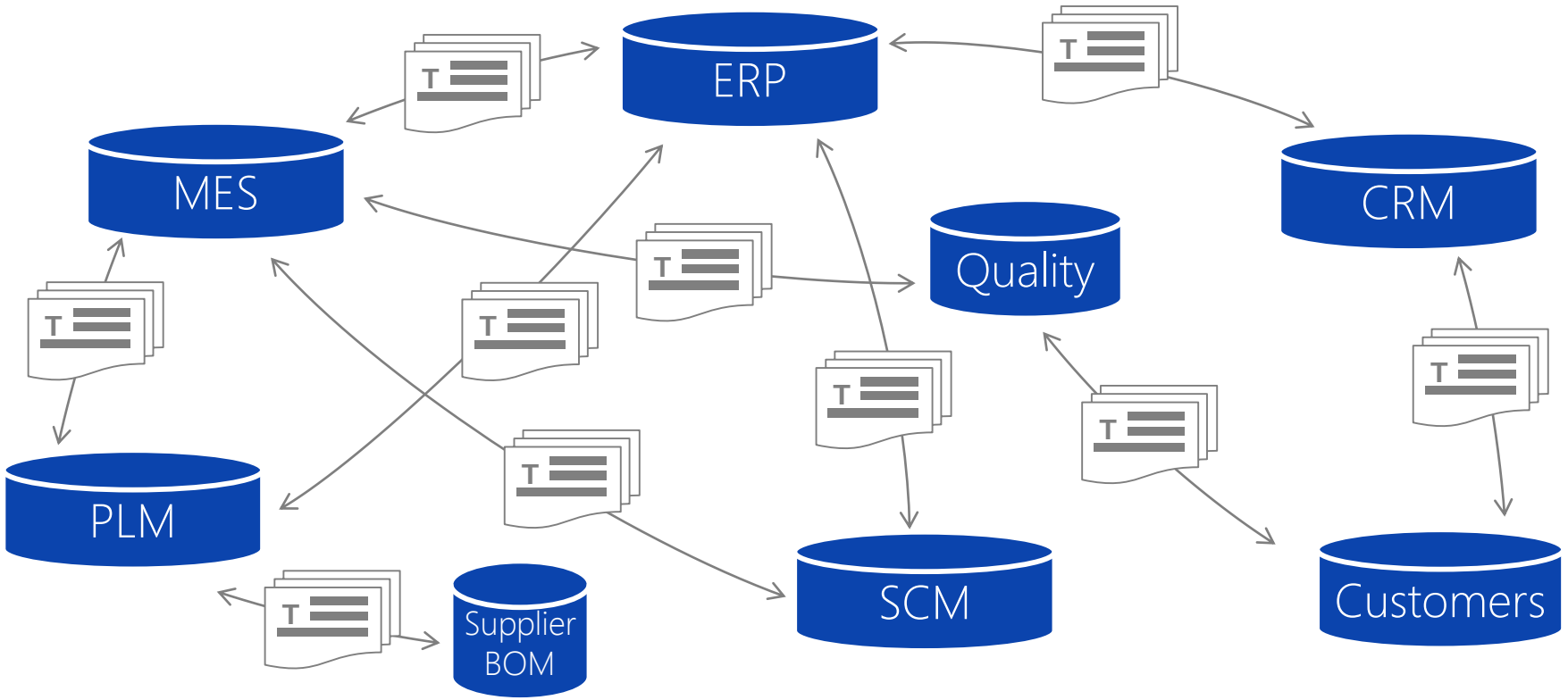
Challenges to Reach End-to-End Data Exposure

Data assets spread across various specific process areas

- **Disconnected Silos**



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Challenges to Reach End-to-End Data Exposure

Data assets locked into **proprietary solutions & Data Formats**

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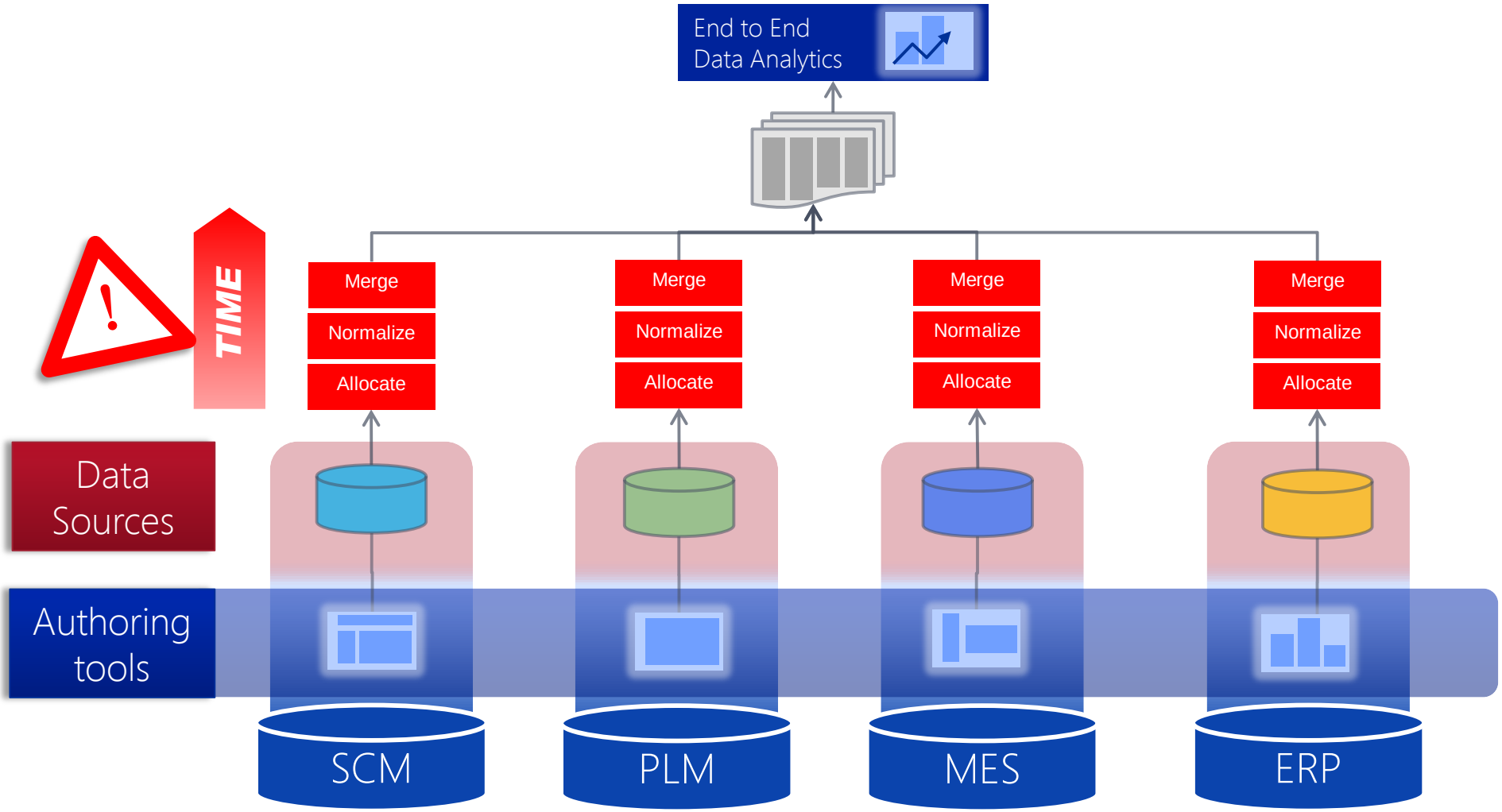
Challenges to Reach End-to-End Data Exposure

Global Product Data Interoperability Summit | **2016**



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Challenges to Reach End-to-End Data Exposure

Significant waste of time

Allocating data in various locations
- Disconnected Silos

Normalize data formats
- Proprietary formats

Clean the data **content**

➔ Out-of-date reports & KPI's
➔ Low speed of Innovation

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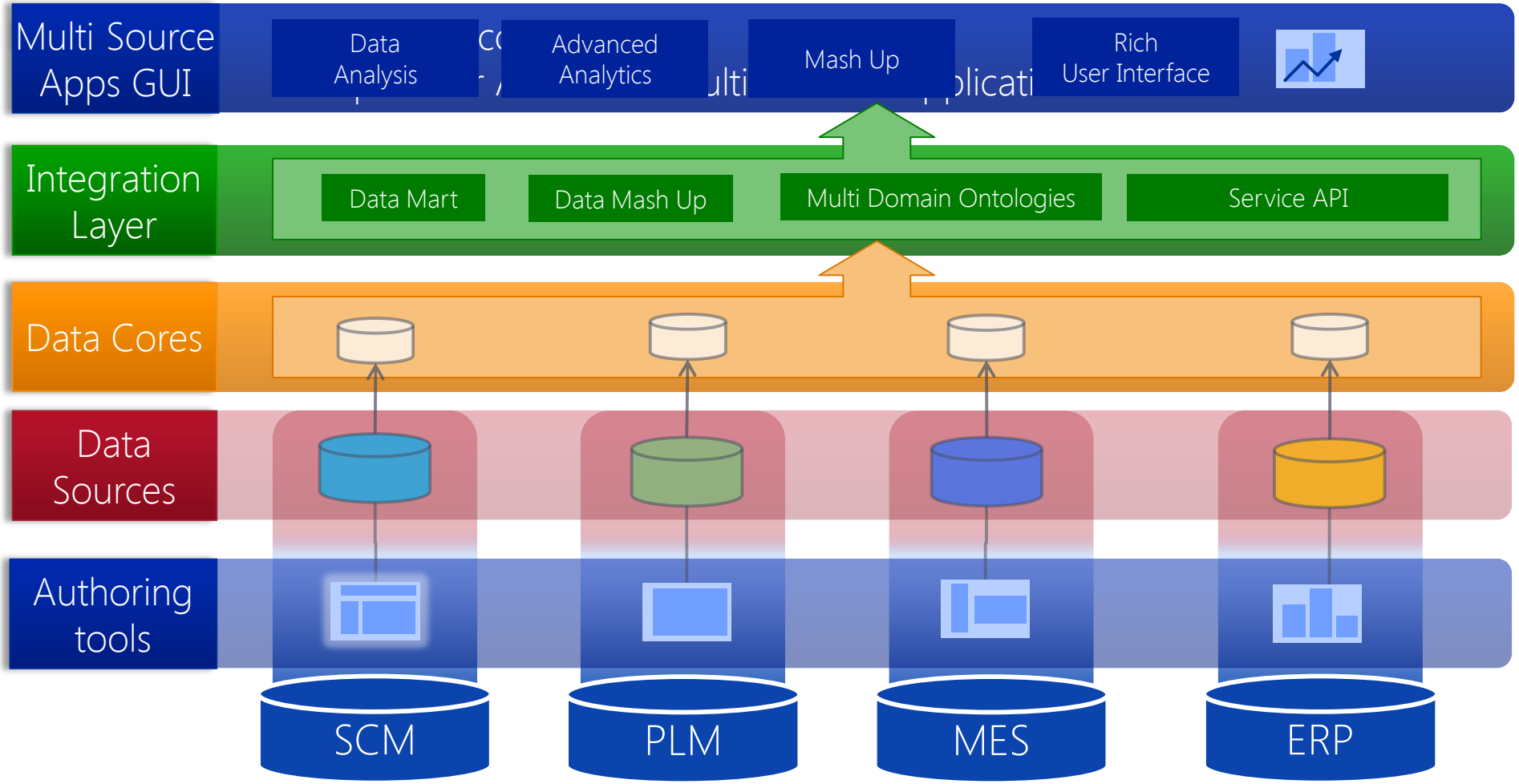
End-to-End Data Exposure Architecture



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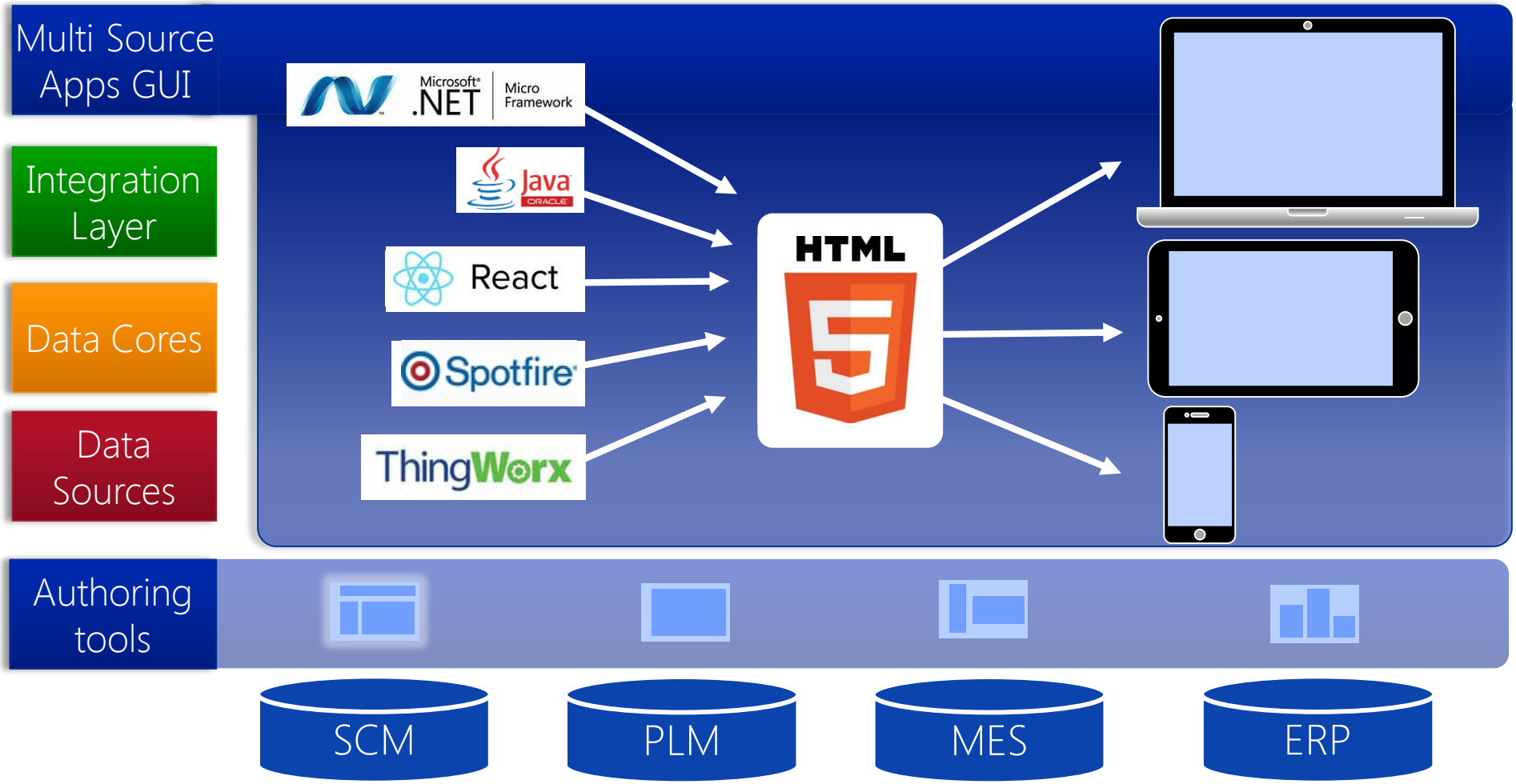
End-to-End Data Exposure Architecture



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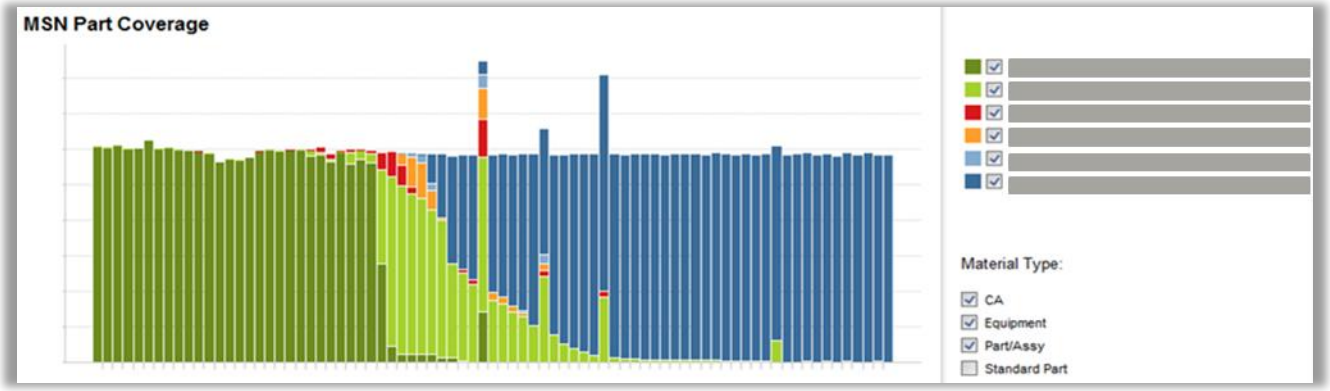
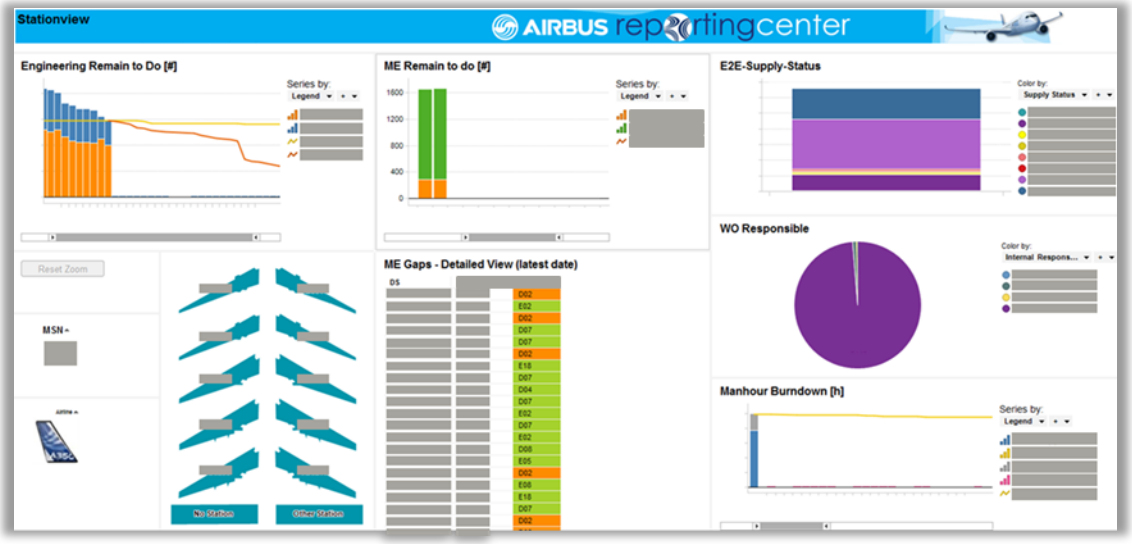
E2E Supply Status



Prediction of upcoming manufacturing challenges:

- Enabling people to have the same view and act together



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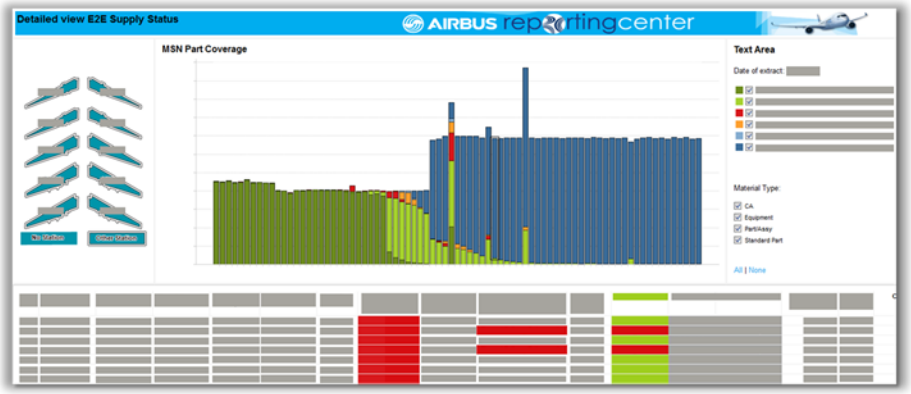
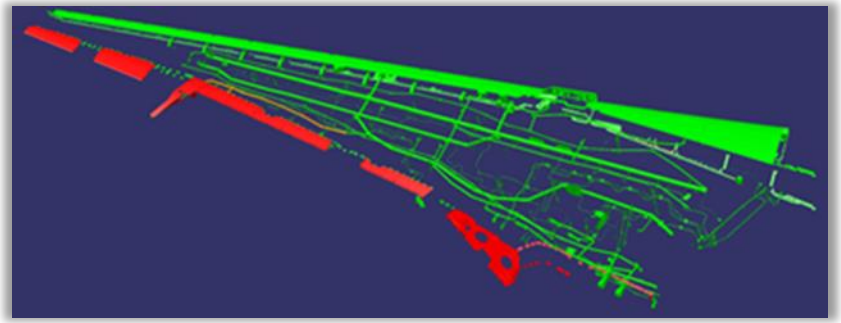
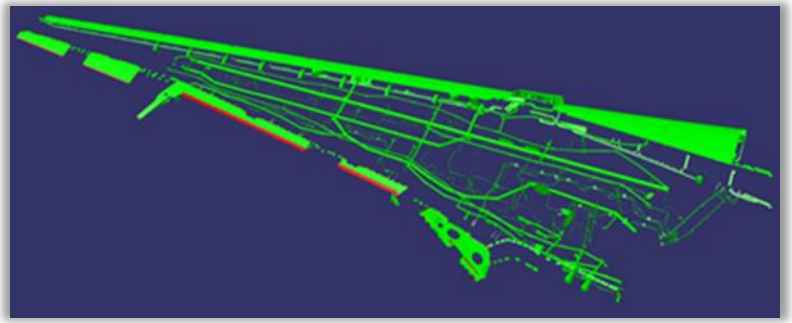
E2E Supply Status

End 2 end reporting enables to follow the supply status of each parts thanks to charts and tables.

Possibility to enhance the Digital Mockup with status information.







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Data Exposure Enables Powerful Applications

Multi Source Apps GUI

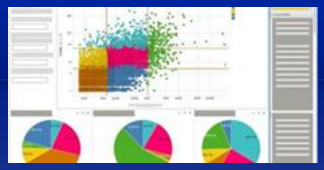
Integration Layer

Data Lakes

Data Sources

Business activity monitoring & business intelligence

Visual management in 3D



Advanced analytics

Mobile Enabled

Data Analisys

Mash Up

Advanced Analytics

Rich User Interface

Authoring tools

SCM

PLM

MES

ERP

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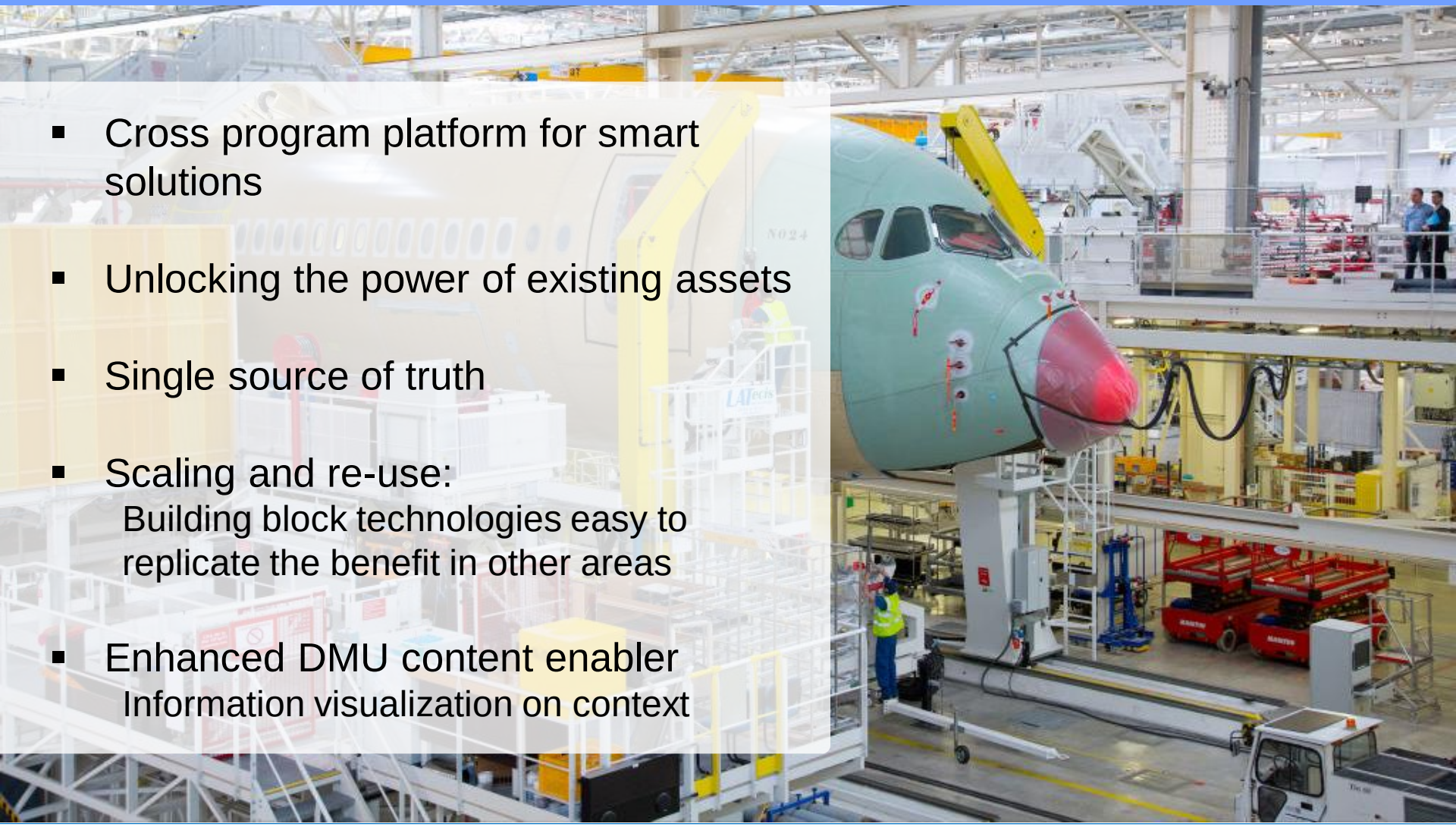
Benefits for Tools & Technology



- Cross program platform for smart solutions
- Unlocking the power of existing assets
- Single source of truth
- Scaling and re-use:
  Building block technologies easy to replicate the benefit in other areas
- Enhanced DMU content enabler
  Information visualization on context

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Benefits for People

- Data democratization
  Everyone has access to the data, not only the experts
- Focus on progress instead of discussion on data quality
- Collective intelligence as people have the same information.

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