Mendix and Teamcenter
How Siemens extends Teamcenter with Mendix to create unique experiences.

Ron Sterk - Business Development Consultant / Siemens Industry Software
Jethro Borsje - CTO / Timeseries
Agenda

1. Introduction
2. Siemens & Mendix
3. TimeSeries
   Real Example
4. Q&A
Intro
Ron Sterk
Siemens Business Development Consultant SET team EMEA & Mendix ambassador for EMEA

Jethro Borsje
Chief Technology Officer at TimeSeries
# TimeSeries Smart App Suite©

<table>
<thead>
<tr>
<th>Automated Planning</th>
<th>Field Services</th>
<th>Intelligent Insight</th>
</tr>
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<tbody>
<tr>
<td>Predictive Maintenance</td>
<td>Smart Warehousing</td>
<td>Asset Mgmt &amp; Tracking</td>
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1847
A small garage startup in Berlin, Germany

Employees 10
Start-up capital 6,842 thalers
1st year revenue 3,420 thalers
Today
Leading position in Electrification, Automation and Digitalization.

Key figures as of Oct 2017

<table>
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<tr>
<th>Employees</th>
<th>377,000+</th>
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<tr>
<td>Revenue</td>
<td>€82.9 billion</td>
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<tr>
<td>Net Income¹</td>
<td>€6.1 billion</td>
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<tr>
<td>Profit margin Ind. Business</td>
<td>11.2%</td>
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¹ Strategic Unit
Siemens has become a major player in digitalization

- 24,500+ software engineers
- A top 10 global software company
- 1 million+ connected assets
- 250+ Digital offerings incl. digital services and industrial applications
Combining the real world with the virtual world
Proven through the systematic expansion of our portfolio

Siemens software #1

Siemens automation #1

Totally Integrated Automation¹

¹ In-house developments / digital upgrades  ² Cooperation; Minority Investment
Why Mendix

• Siemens is a company that believes in digitalization. Digitalization drives the company forward and makes it more profitable, agile and ahead of the competition.

• Mendix helps Siemens improve internally; drive new business models in all BU’s.

• Mendix helps Mindsphere to accelerate business.

• Mendix helps Siemens Industry Software to create new application or extensions faster and will accelerate our cloud offering.
Product Overview

NX
The next generation of design, simulation, and manufacturing solutions that enable you to realize the value of the digital twin.

Teamcenter
A modern, adaptable PLM system that breaks down barriers between people and processes, Teamcenter helps manage the multi-domain development and manufacturing of highly successful products.

Simcenter
Combine the best-in-class system simulation, 3D CAE and testing solutions to understand product performance better to deliver innovations faster and with greater confidence.

Tecnomatix
Tecnomatix digital manufacturing solutions help you digitalize manufacturing and the process of transforming innovative ideas and raw materials into real products.

MindSphere
Cloud-based, open IoT operating system that transforms data into knowledge and knowledge into measured business success.

Polarion
Unified application lifecycle management solution for defining, building, testing and managing complex software systems.

PLM Components
3D software development toolkits that reduce time, cost and risk of delivering innovations in 3D geometric modeling, sketching and assembly, path planning, collision detection, interoperability and visualization.

Mentor
Software solutions for the design and development of electronic systems and integrated circuits.

Manufacturing Operations Center
Optimize manufacturing processes to improve asset utilization, lead times, response times and time-to-market.
The Extension Play
Teamcenter Extension
Design new UI’s and workflows extending existing core systems

Example use case extensions
- Service technician app
- Supplier collaboration
- Idea management
- Portfolio management

mx mendix low code platform

Systems of differentiation & innovation

API / webservice

SAP

Teamcenter

API / webservice

Any backend

Systems of record
Real Example by TimeSeries
New Companies Use Innovative Technologies to Disrupt traditional Markets.

Automotive

Retail

Transportation
Social media changed the definition of ‘fast’

66%
Customers expect you to respond to a query the same day

40%
Expects a reply within the hour
“Self-service is Everywhere, Customers Want to Help Themselves”
Information is available anytime, any place, anywhere and on any device

Customers change their contact channel depending on where they are and what they’re doing.

60%

Many

Companies are moving towards a “mobile first” or even “mobile only” strategy.
“Your Core Systems are not Designed to Meet These Expectations”
Frustrated Customers, Long Response Times, Information Gets Lost.
1. Self service and fast response create happy customer

2. Less overhead in process leading to fast response

3. Everyone has their own personalized information

4. Everyone can use their own device
One Step Further: The Customer wants the Asset to Be “Always on” With Only Predicted Downtime.
First time right visits
Fewer disruptions for the customers
More predictive scheduling of service personnel
First time right visits
Enables new business models
By Combining Mendix with Systems Such as Siemens Teamcenter We Can Make New Technologies Work For You.