CENTRAL EUROPEAN COOPERATION FOR INDUSTRY 4.0

Tamas Jeranek, head of Digital Factory

Budapest, 20. September 2017.

Digitalization changes everything

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> **The next trillion dollars will be earned with data – for our customers and for our industries.**
>
> M. Dell, founder of Dell Inc.

> **Data will be the commodity of the future.**
>
> A. Merkel, Federal Chancellor

> **Data is a gold mine for a great number of business fields.**
>
> S. Gabriel, Federal Minister

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Siemens helps shape this change using digital solutions – Building on Electrification – Automation – Digitalization

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Digitalization

Automation

Electrification

MindSphere[1]

Siemens Software

Digital enhanced Electrification & Automation

Digital Services

Digital Expertise

Domain Know-how
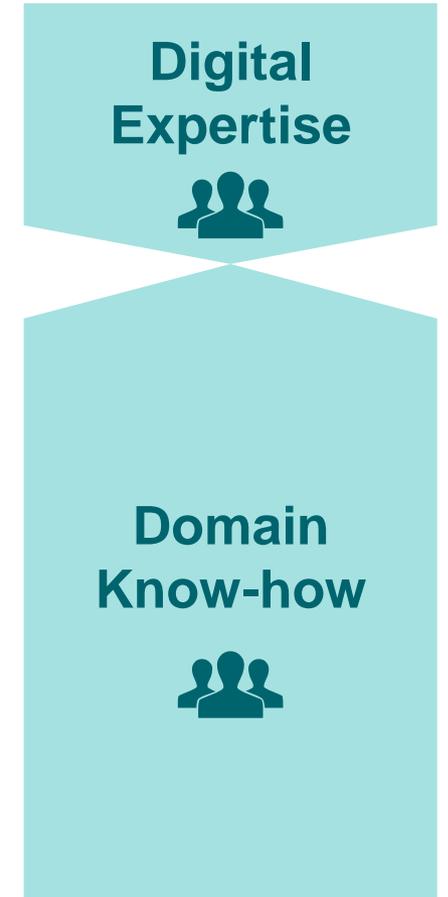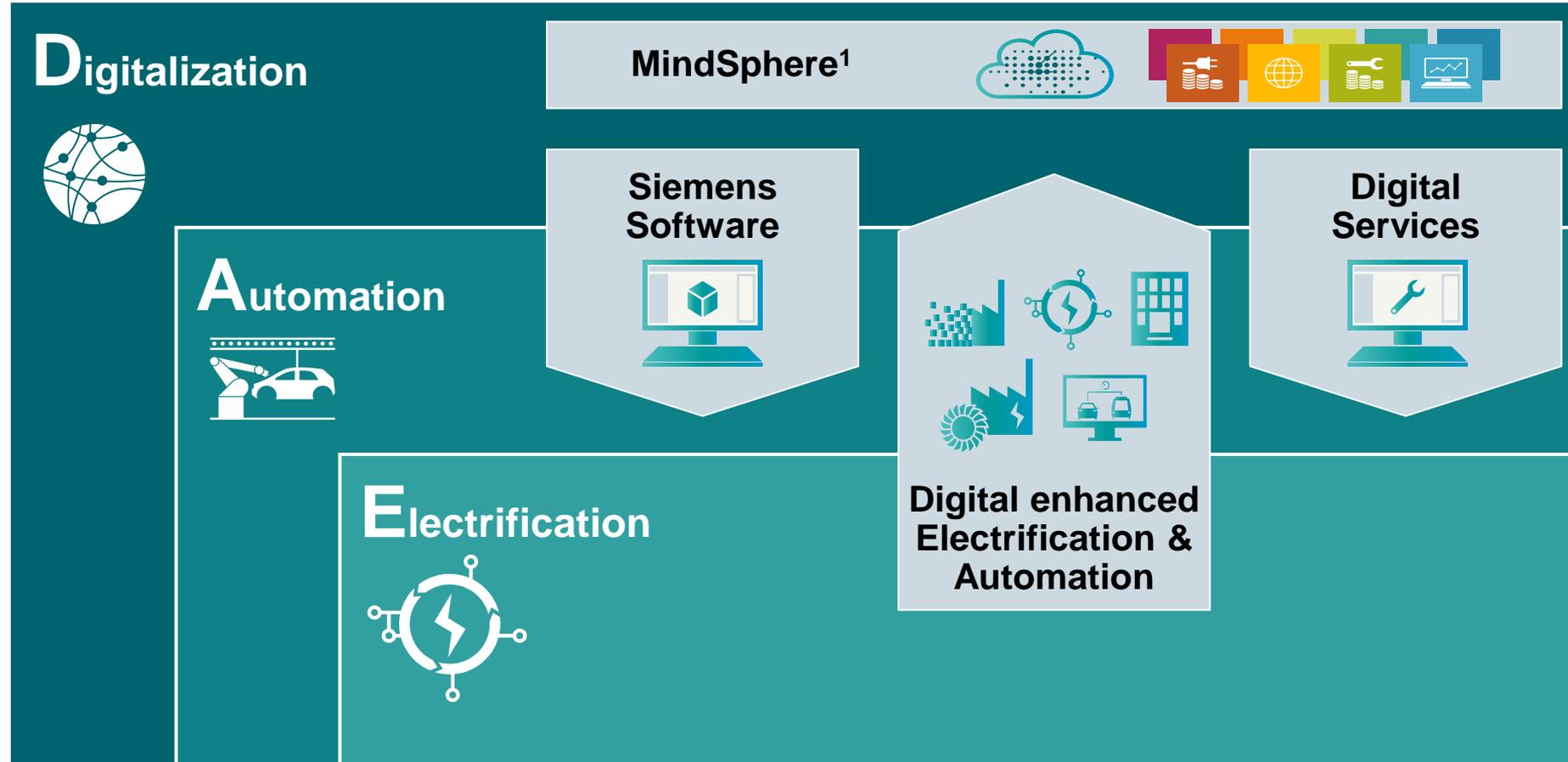
1 The cloud-based, open IoT operating system

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Deep dive: The future of manufacturing –
The digital transformation is creating new business opportunities

**From mechanical components …
to smart, integrated systems**

**From traditional materials/
production … to new materials
and production processes
(3D printing)**

**From permanently defined
variants … to personalized
products**

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The end-to-end consistency of the virtual and real worlds enables customized products

- Flexibility in design and plant use
- Flexibility
- Time-to-market
- More product variants
- Customized products

Real world

Virtual world

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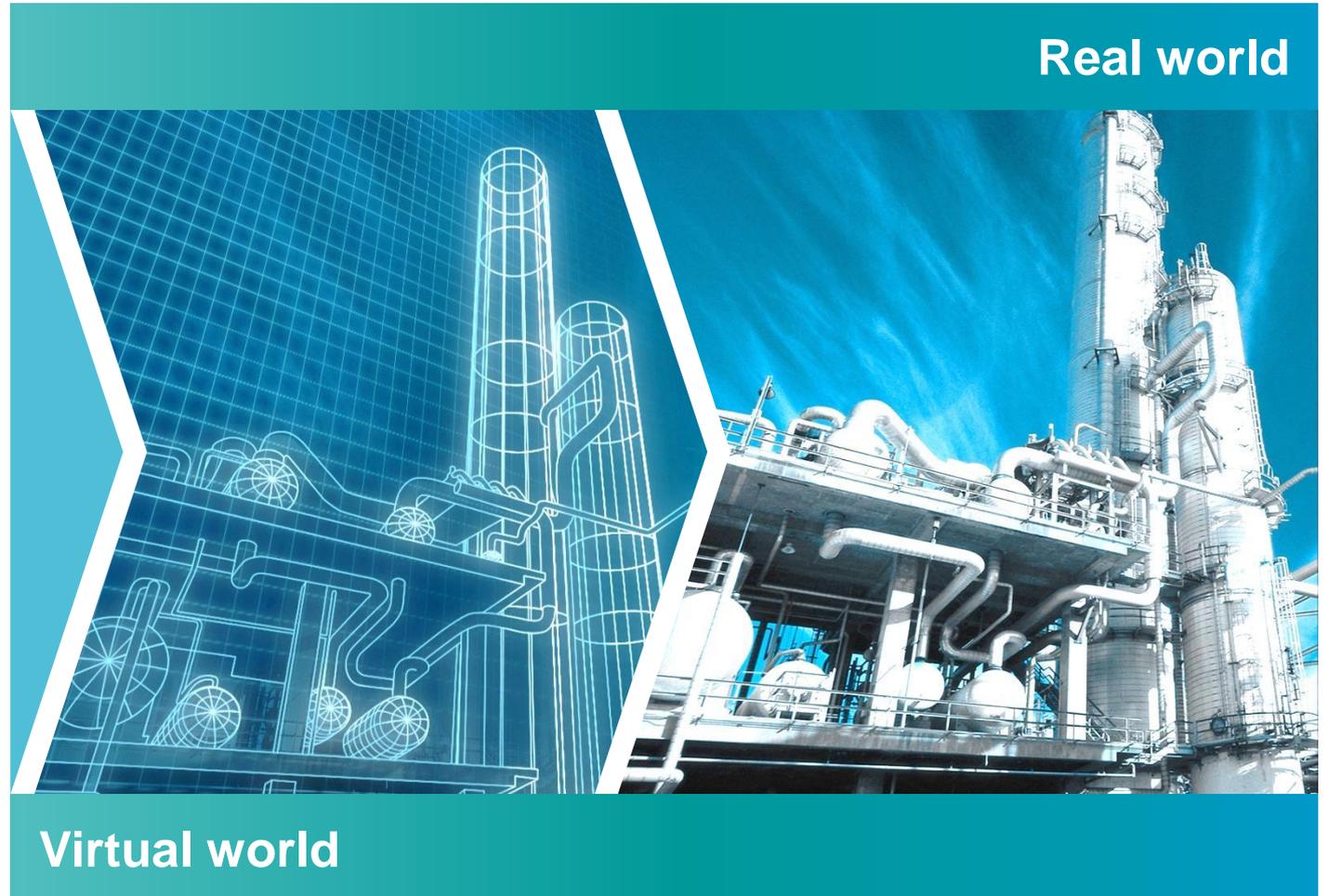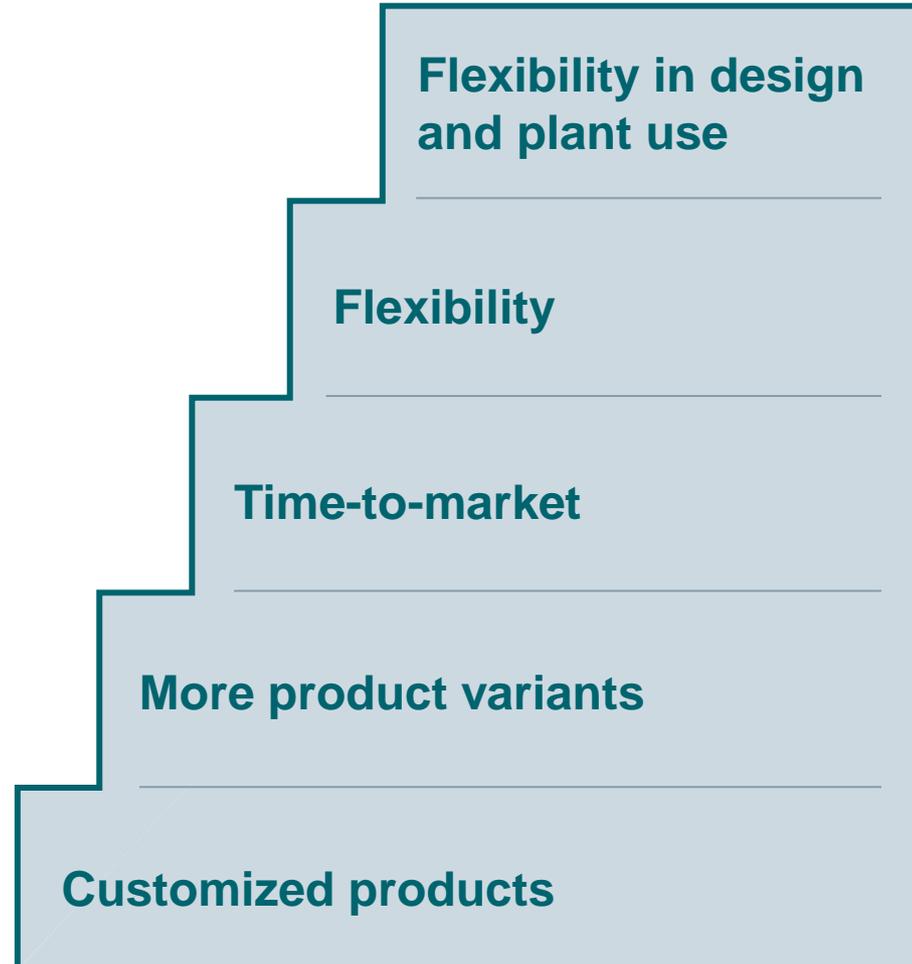
The digital transformation requires new approaches and clear strategic management decisions

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The digitalization of industry happens on two levels

Tailoring the portfolio to the requirements of digitalization **1**

Adapting and further developing internal processes **2**

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MindSphere – from Siemens
The cloud-based open IoT operating System

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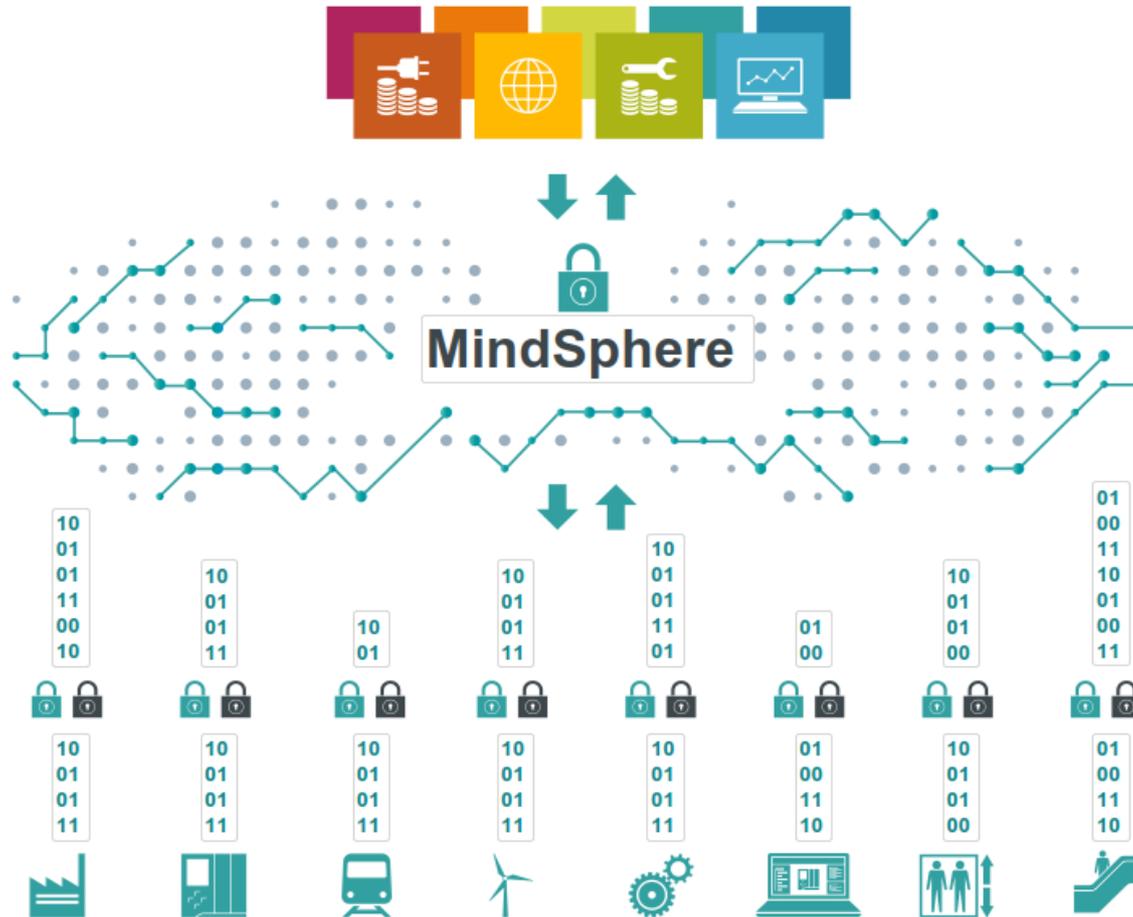
MindApps

- **Apps from OEMs, from end customers, from partners and from Siemens**
- **Transparency in plants and analytical insight** (e. g. fleet management)

MindSphere

- Open interface for developing customer-specific apps
- **Different cloud infrastructures: SAP, AtoS, Microsoft Azure** as public or private clouds or on the premises (planned)

MindConnect

- **Open standards** for connectivity, e.g. **OPC UA**
- **Plug & play connection** of Siemens and third-party **products**
- **Secure** and **encrypted** data communication

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Thank you for your attention!

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