



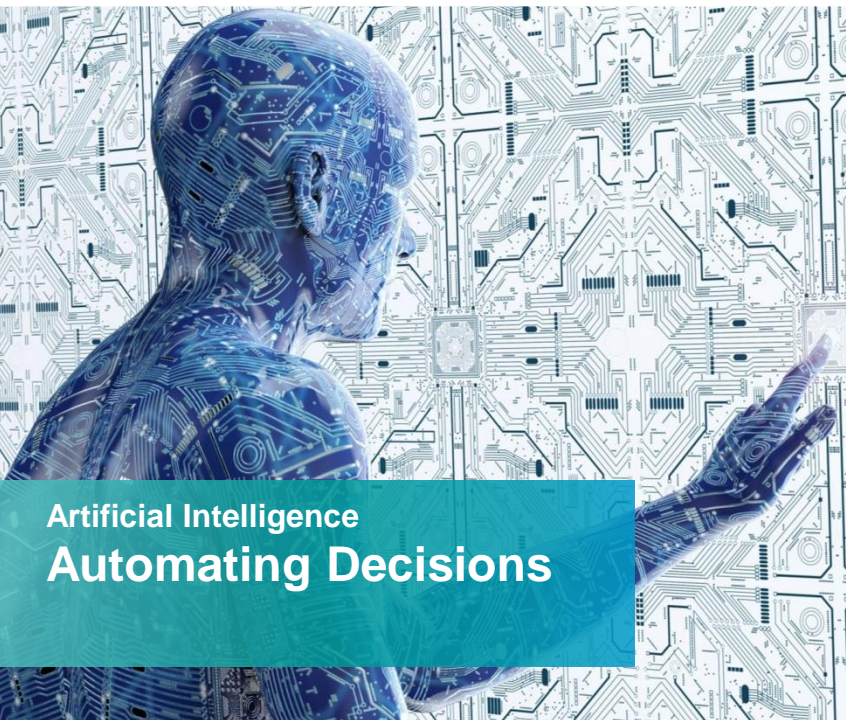
**Industrie 4.0**  
**The future of manufacturing**



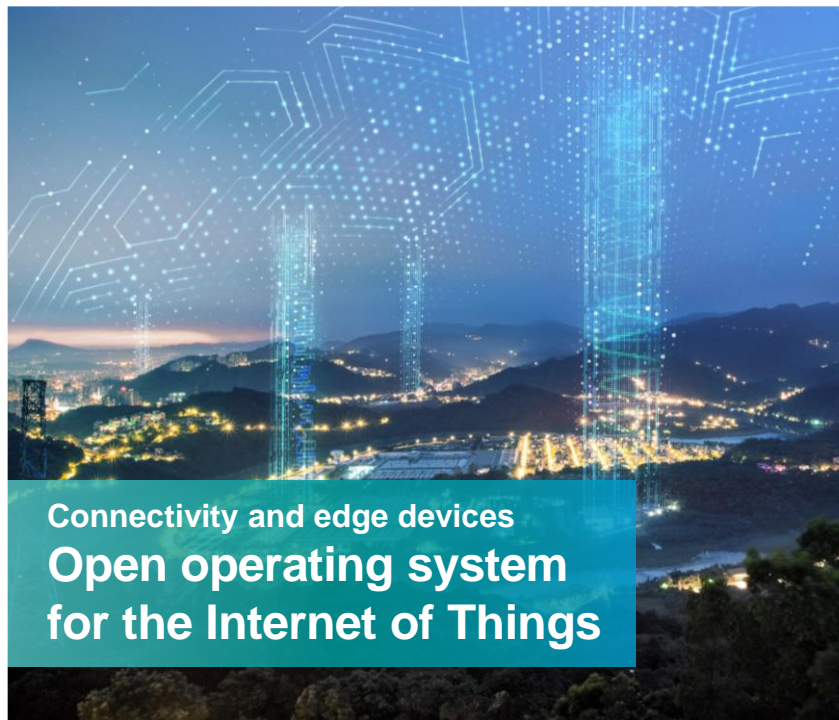
**Microgrids**  
**Key component in a decentralized energy supply**



**Connected (e)Mobility**  
**Mobility is becoming electric, connected and autonomous**



**Artificial Intelligence**  
**Automating Decisions**



**Connectivity and edge devices**  
**Open operating system for the Internet of Things**



**Cyber Security**  
**Most important enabler for digitalization**

## Our recommendations

**Enable an EU-wide “high performance” industrial infrastructure**

Connectivity should be ubiquitously available, cross-border, high-speed, highly-secured and of high quality, fulfilling the technical requirements of the users and industries.

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**Foster cooperation between vertical and 5G industries and strengthen QoS**

We need 5G communication networks and political support for:

- enhanced collaboration between the vertical domains and the 5G industry across whole value chains
- allowance for quality-differentiated services (QoS Levels)

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**Adapt the European legal framework to the necessities of digitalization**

An innovation/investment friendly regulatory environment for the use of data, access to data, free flow of data and for liability issues linked with autonomous systems.

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**Security by design as basic principle of IT security**

It is crucial that businesses be supported and empowered in taking Cyber- and IT security into consideration in all phases of the development of products&systems and during their lifetime .

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**Support systemic standardization work**

Standardization must be done in international standardization committees whether in regard to consensus-based standards like IEC or in regard to de-facto standards, for example OPC.

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**Education and training to address the development of digital skills**

We need to cover all phases and all channels of education: school, apprenticeship, universities, professional education – life-long learning is key to success