



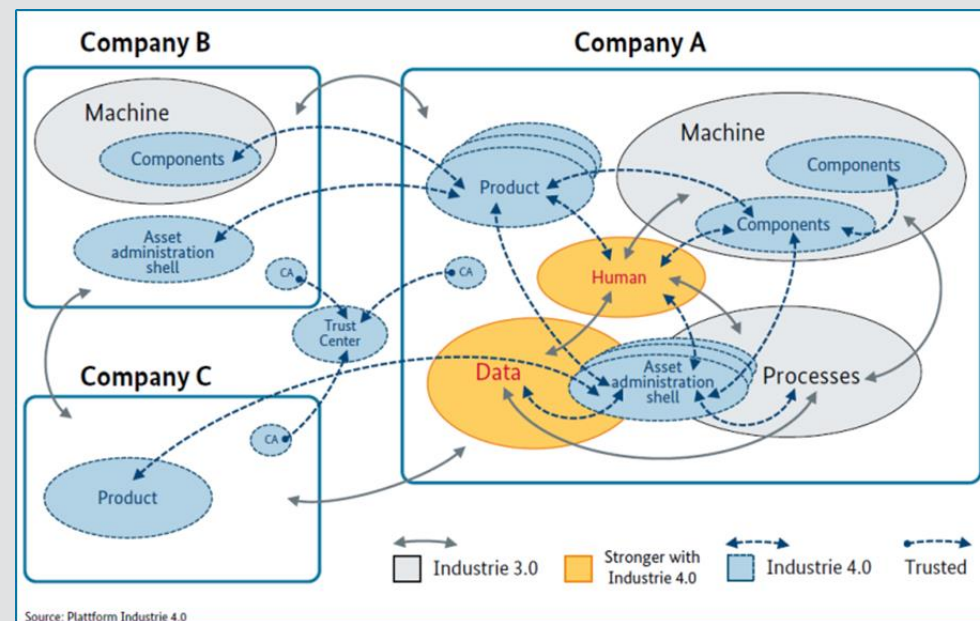
Panel 1

Security challenges along the industrial value chain – how to harmonize national perspectives?

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Key Questions for this session

- ▶ What are the security challenges for implementing global industrial value networks?
 - ▶ Integrity of data, systems and processes
 - ▶ Know how protection
 - ▶ Counterfeiting prevention
 - ▶ Authenticity of the business partners



Key Questions for this session

- ▶ Which approaches is your initiative taking?
 - ▶ A holistic approach taking into account
 - ▶ Identification and authentication based on secure identities as a prerequisite
 - ▶ Secure communication with interoperable security profiles based on this
 - ▶ Ensuring the integrity of data, system and processes
 - ▶ Roles and permissions to limit the access
 - ▶ Skill profiles and organisational structures,
- ▶ What are the norms and standardization requirements?
 - ▶ Many of the required controls are well defined in IEC 62443 and ISO 27k
 - ▶ Missing
 - ▶ Standards for security profiles and how to deal with it are missing
 - ▶ Information classification scheme is required
 - ▶ Method for assessing the degree of trustworthiness of cooperation partners.
 - ▶ Standards for a global security infrastructure for cross-company communication

Key Questions for this session

- ▶ Which obstacles are ahead of us from your perspective (technical, organizational, sociological and regulatory)?
 - ▶ National regulatory frameworks vs. global value chains
 - ▶ Security is taken as afterthought rather than security by design
 - ▶ Until now, security is no quality feature for products and organizations
- ▶ Which issues will be at the centre of future cooperation of the Industrie 4.0-initiatives?
 - ▶ Focusing on selected topics (e.g. integrity, roles and rights management)
 - ▶ Harmonize the perspective and bring this perspective into the international standardization