

Open session of the Initiative for Technical Regulation and Standardization of the RSPP and the German Eastern Business Association

"Standardization for Industry 4.0: Digitalization and industrial development"

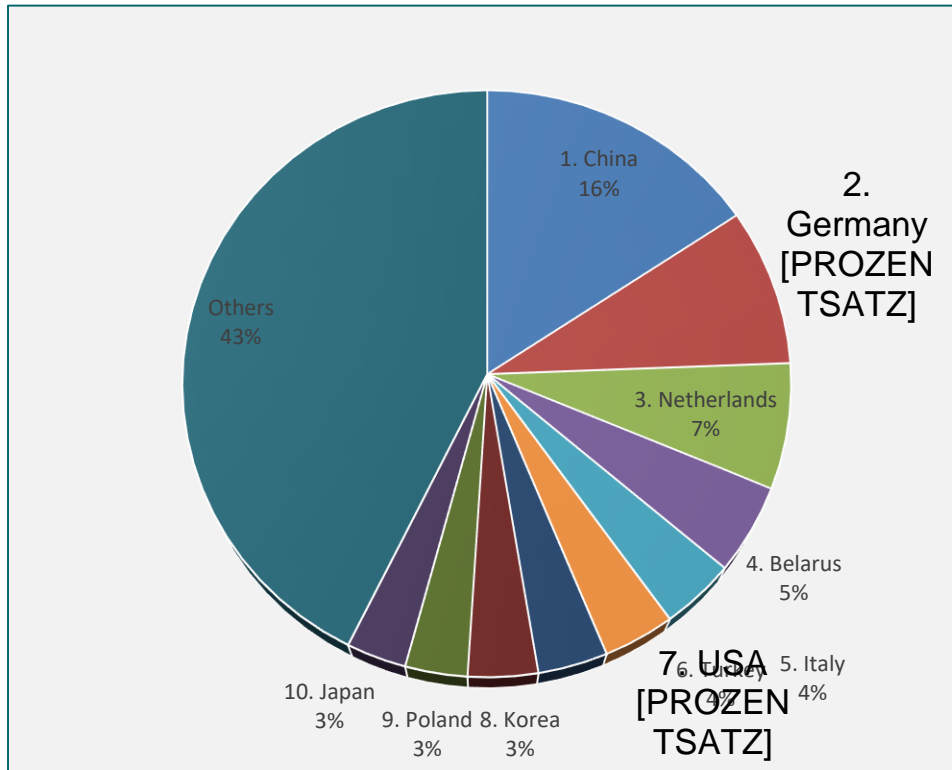
Michael Harms, Executive Director German Eastern Business Association

German-Russian Initiative on Technical Regulations - Overview



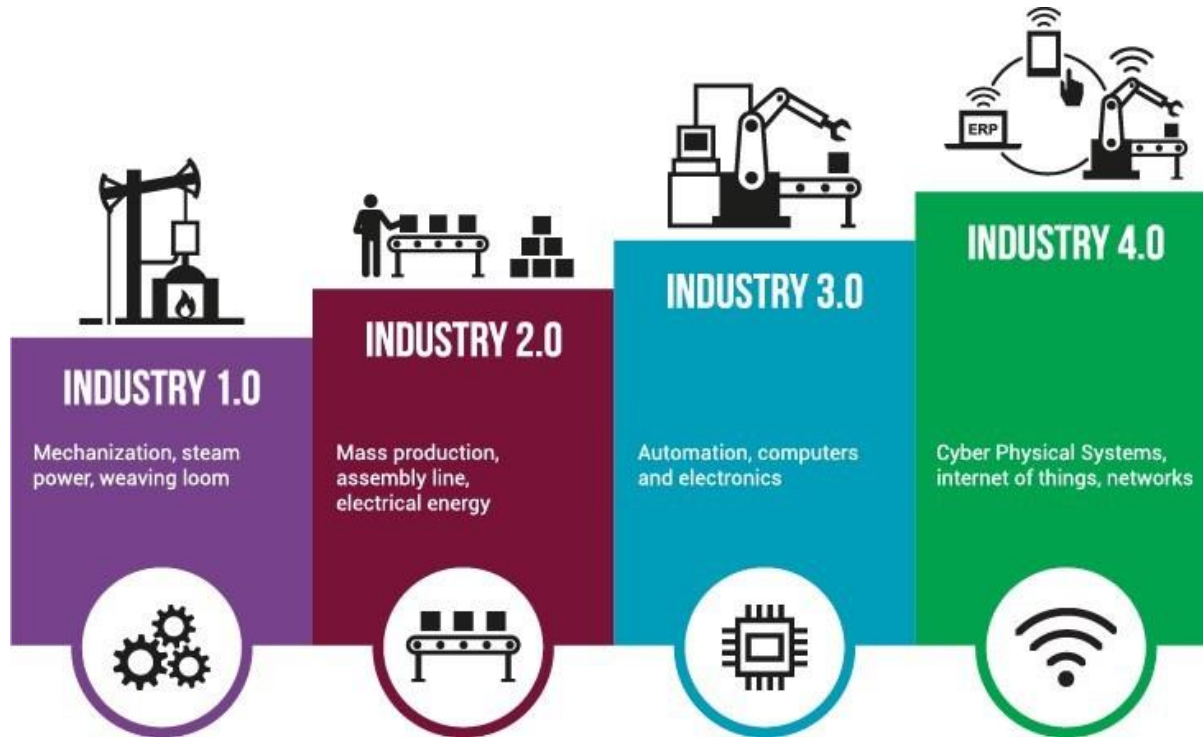
- Successfully growing initiative with added value
- Positive political signal
- Improving framework conditions in both ways/regions
- 11 very active working groups
 - Industry
 - Digital Transformation
 - Quality infrastructure
- Sustainability as a key factor

Russia's most important Trading Partners



- Germany ranks second after China
- Almost 50 percent of overall trade made with the EU
- For every product, procedure or service a certificate, an accreditation or conformation is needed

Evolution of industrial production



„Industrie 4.0“ a German Invention (for the world market)



- Completely networked manufacturing
- National solutions are becoming obsolete
- Cloud solutions are preferred
- Digitalization of all industrial processes including Sales, Services and Logistics
- Common technical language is required
- Simulation Software Digital Twin

Smart Manufacturing - a future model



- Real world meets virtual world
- Everything is connected with everything
- Part of the process will be purely digital companies
- **Holistic solutions**
 - Interoperability
 - Information transparency
 - Technical assistance
 - Decentralized decisions

Thank you very much for your attention