



Industrial Internet Consortium and Plattform Industrie 4.0



JTG5 – Security Collaboration

IIoT World Tour Torino, Juni 2017, Michael Jochem - Bosch



JTG5 – Brief overview

- The Joint Task Group 5 is part of the collaboration between the Industrial Internet Consortium and the Plattform Industrie 4.0. The Task Group encompasses all activities regarding the security in Industrial Internet and Industry 4.0 systems.
- Established May 2016
- Chairs: Sven Schrecker (Intel), Michael Jochem (Bosch)
- Regular F2F meetings during the IIC member meetings and weekly phone calls





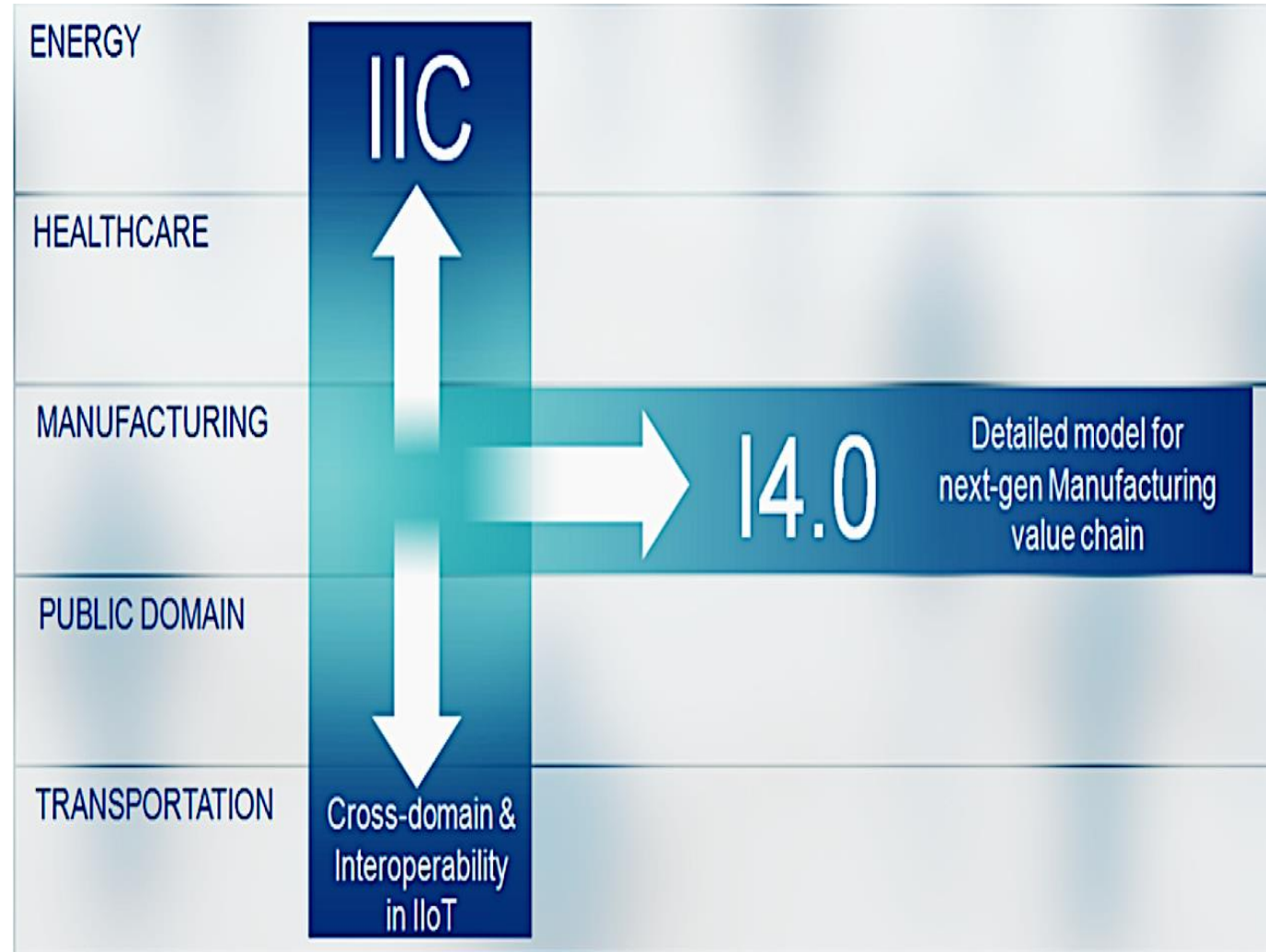
JTG5 – Baseline, our starting point

- Commonality
 - Overlap – not developing standards, provide guidance, thought leadership, ...
 - Gap – what we are both missing? (TBD)
 - Collaboration – borrow ideas from each other (IIC KSCs, I4.0 Component)
- Alignment
 - Manufacturing vertical is common between I4.0 & IIC
 - Conceptual manufacturing representation:
 - Enterprise IT (IT)
 - **IIoT Products – new insight: IIoT products bridge IT/OT, common understanding of trustworthiness is critical**
 - Production Area (OT)
- Epiphany!
 - Manufacturing is a common vertical that forms the basis for all the other industrial verticals (e.g. medical, transportation, energy)
 - Trustworthiness Umbrella Concept





JTG5 – Alignment

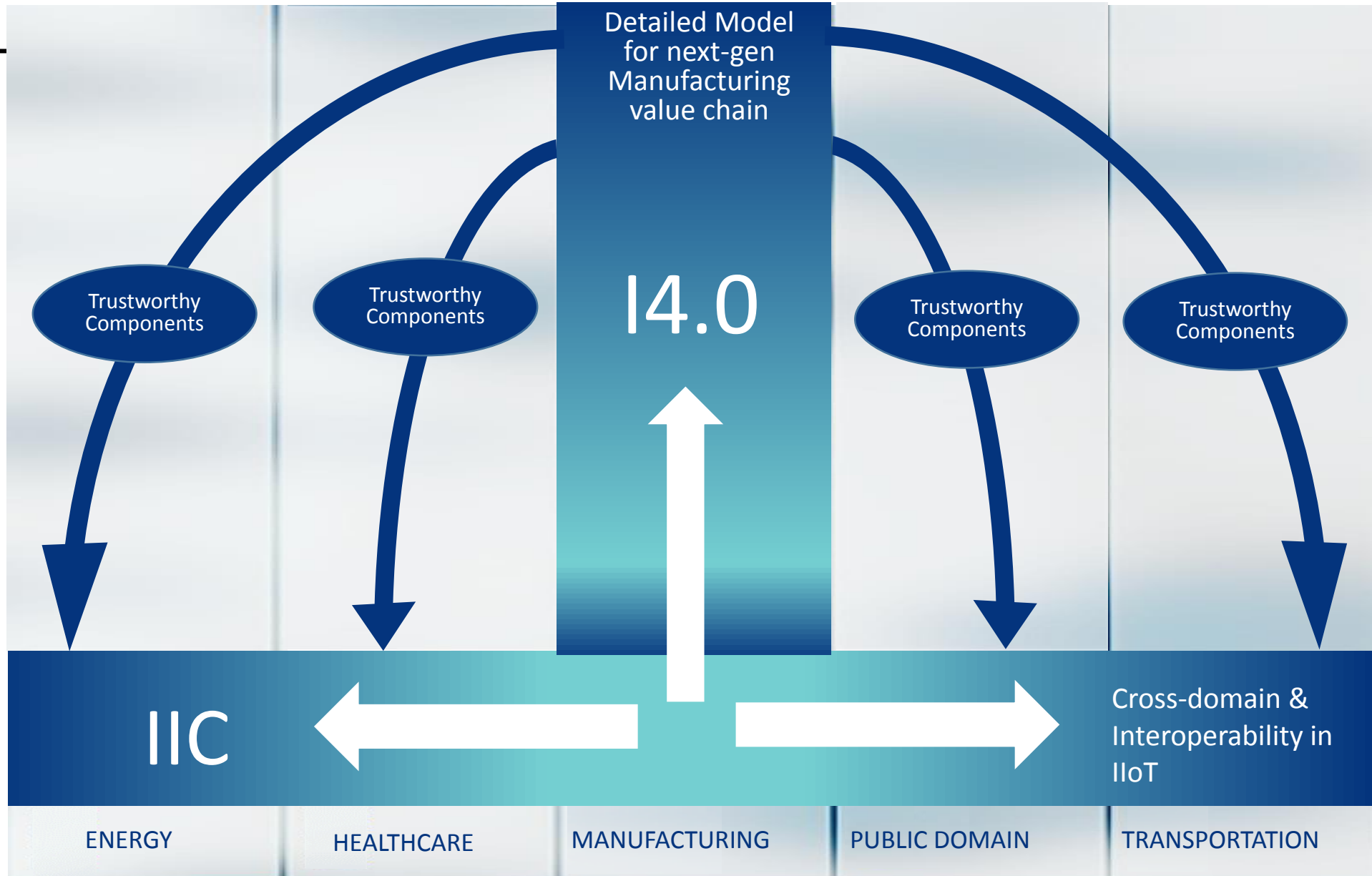


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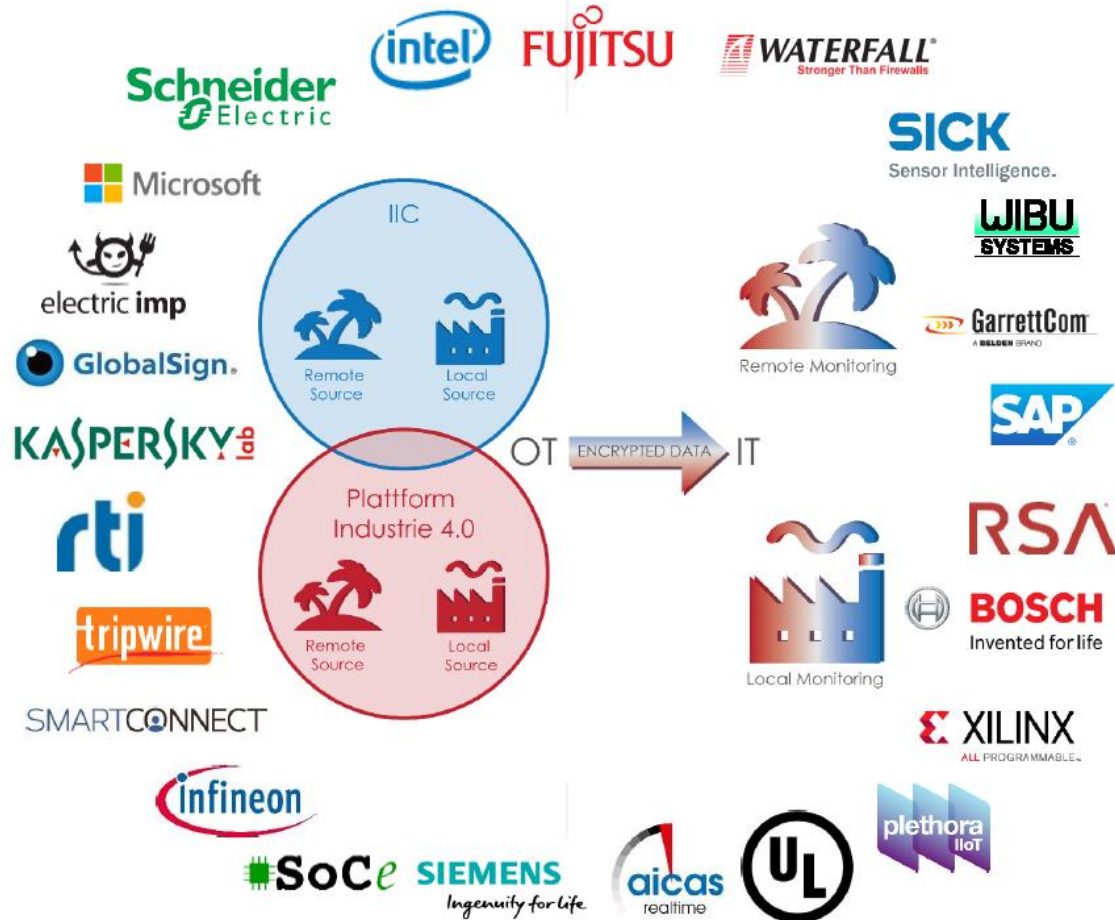
JTG5 – Alignment and New Insight



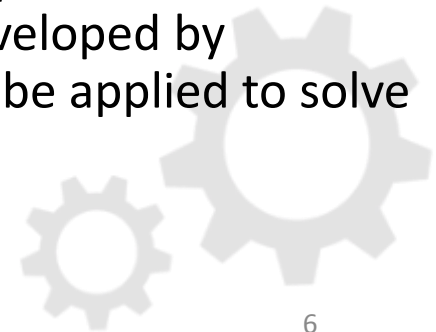


JTG5 – Major steps

HMI 2017 – The Joint Security Demonstrator



- Integrate of the Plattform Industrie 4.0's focus on the manufacturing industry into the crossdomain approach of the IIC
- In a connected world, multiple companies and systems need to work together to ensure security both within a single manufacturer's plants and across every participant in the value chain.
- This joint demonstration shows how the IIC's Industrial Internet Security Framework and the concepts of secure cooperation in cross company environments developed by Plattform Industrie 4.0 can be applied to solve this challenging problem.





JTG5 – Roadmap

- Conversion of the security demonstrator to a testbed
 - Next steps being worked upon
- Whitepaper for Trustworthiness – goal to be shown at HMI 2018
 - Common result based on the work of the IIC and Plattform Industrie 4.0 working groups
- Align the vocabulary of both initiatives

