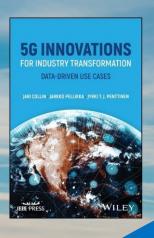


Industry 4.0 research progress in 10+ years



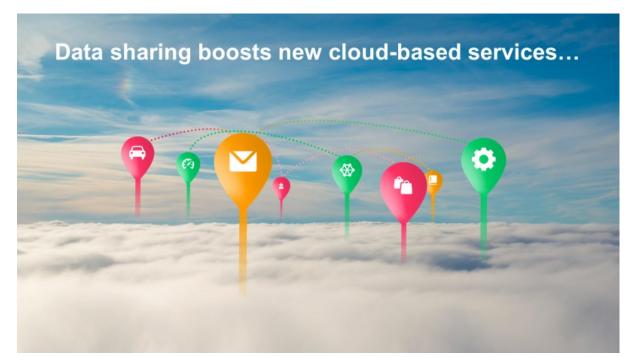


Industrial Metaverse

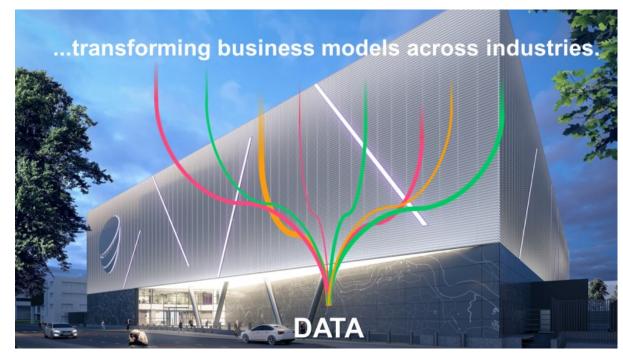
Industrial 5G

Industrial Internet



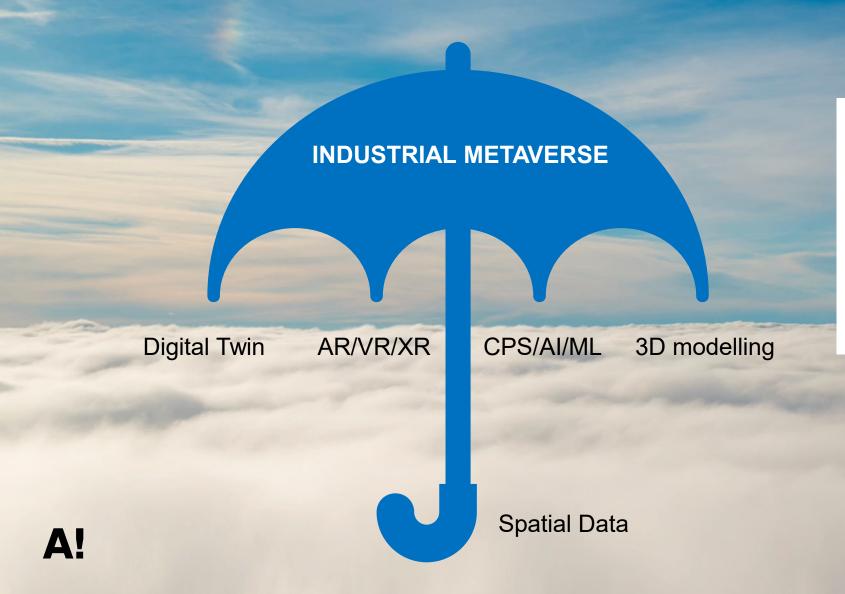








The umbrella of Industrial Metaverse...



The industrial metaverse is a physical-digital fusion and human augmentation for industrial applications; this includes digital representations of physical industrial environments, systems, processes, assets, and spaces that participants can control, monitor, and interact with. (Nokia Veturi -program)

Research problem and questions

What are the key success factors in implementing sustainable and secure capabilities for industrial metaverse?

The problem is broken down into following questions:

- 1. What are the **main pre-requisites for the implementation** of industrial metaverse capabilities?
- 2. What kind of **use cases** and tangible **benefits** the industrial metaverse can bring for enterprises?
- 3. How should **the implementation** be aligned with the ongoing digitalization of the **industry ecosystem**?



Case companies

