

Creating the Industrial Metaverse: Siemens Xcelerator + NVIDIA Omniverse



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SIEMENSCOCCOY

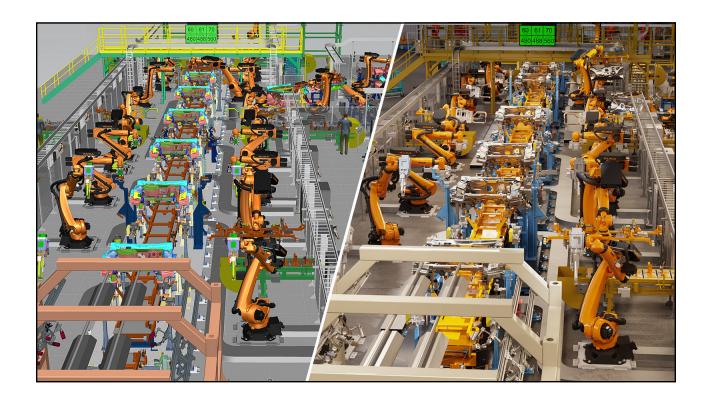
NVIDIA's Omniverse, which offers **real-time**, full-design **fidelity photorealistic visualization**, with Siemens Xcelerator's **real-world engineering** and **physics-based simulation** to deliver the industrial metaverse.

This enables industrial companies of all sizes to create closed-loop digital twins with real-time performance data, ideal for running simulations and Al-accelerated processes.

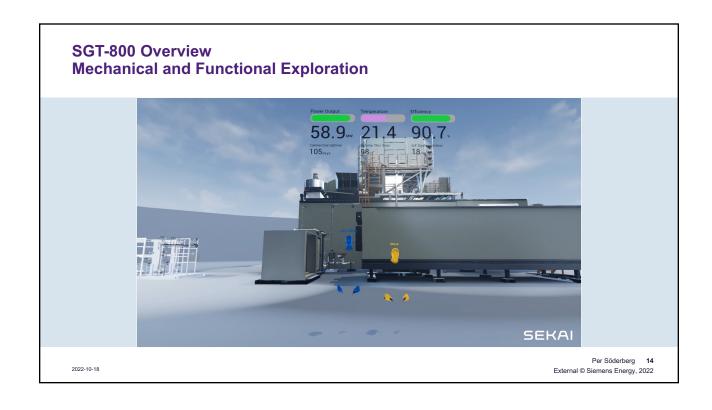
Advanced applications such as autonomous factories that rely on intelligent sensors and connected devices.

Manufacturers can better respond to customer demands, reduce downtime, and adapt to supply chain uncertainty while achieving sustainability and quality targets.

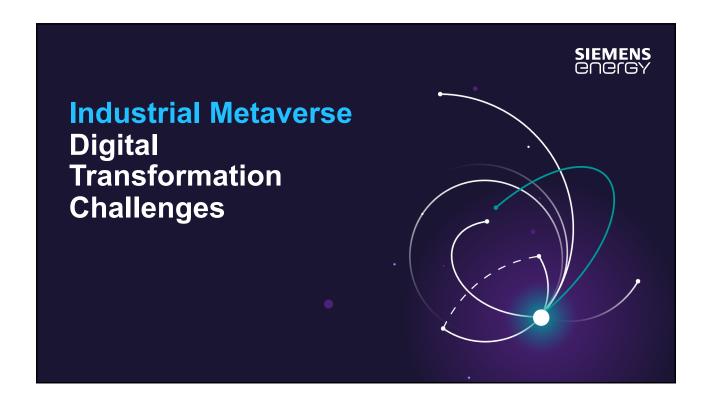
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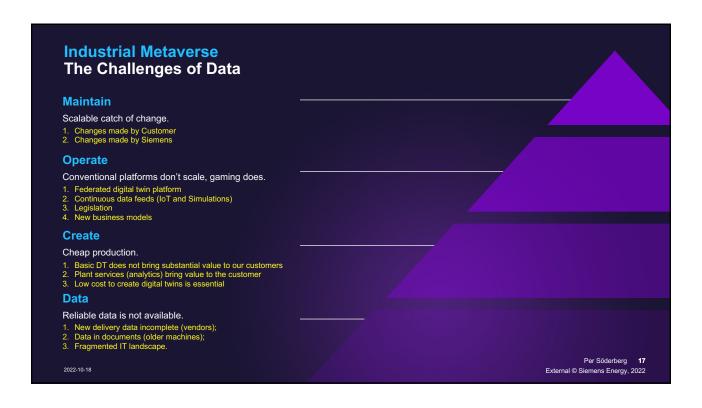


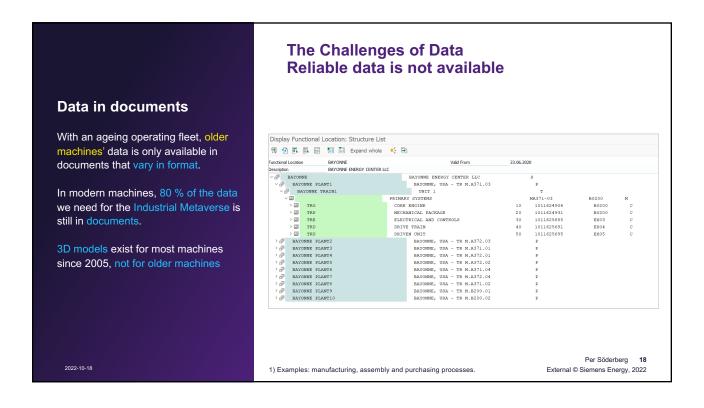


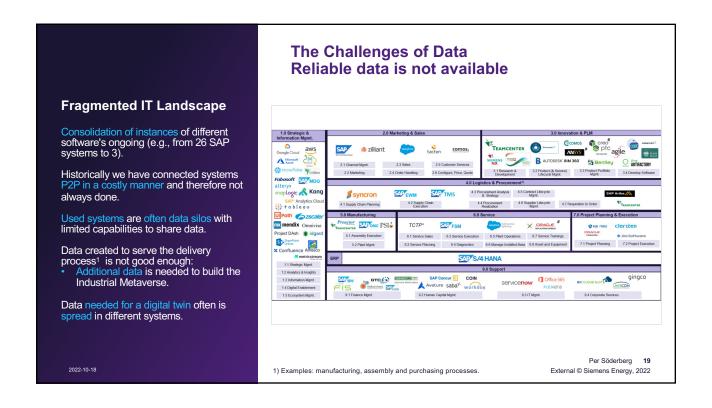




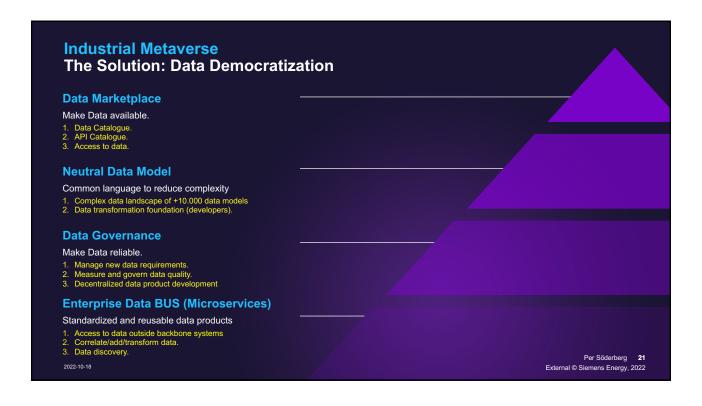


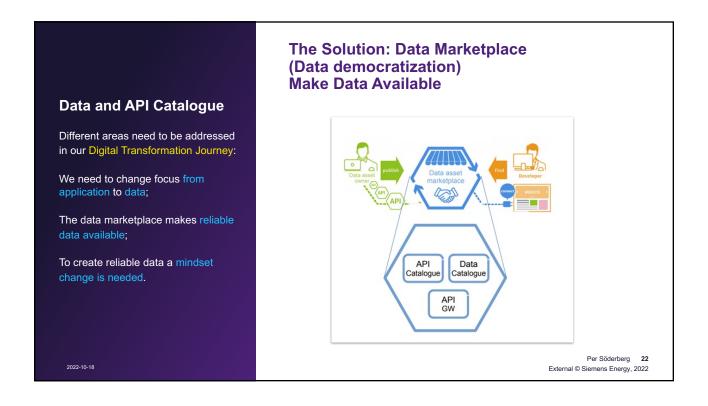


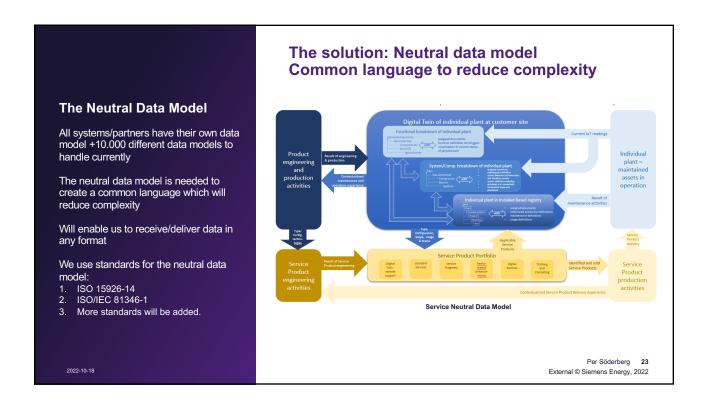


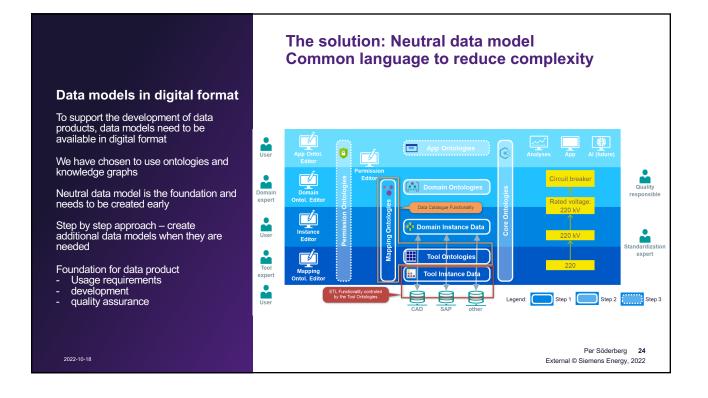












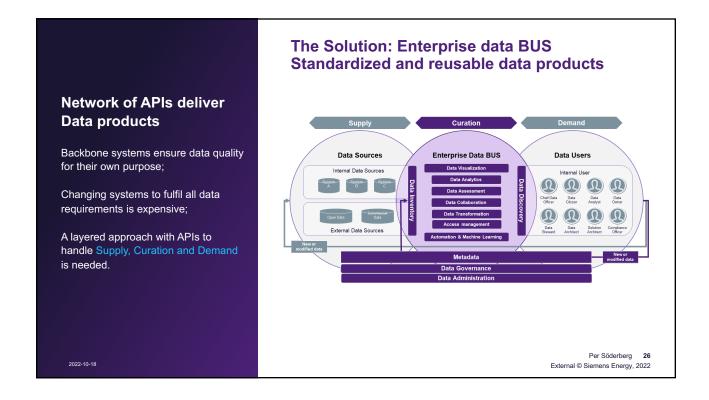
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The Solution: Data Governance Make Data Reliable **Data Democratization** The Solution: Data Governar Global Governance The Solution: Data Governance Several Data Domains A mindset switch from application focus to data focus needs to be organized. Decentralized development of reusable data products needs to be governed The Solution: Data Governance Roles per data domain Data governance contributes to Digital transformation with: Data product standardization & reusability

Data product requirement collectionDrive development of data products

Data reliability



1) Examples; manufacturing, assembly and purchasing processes.

