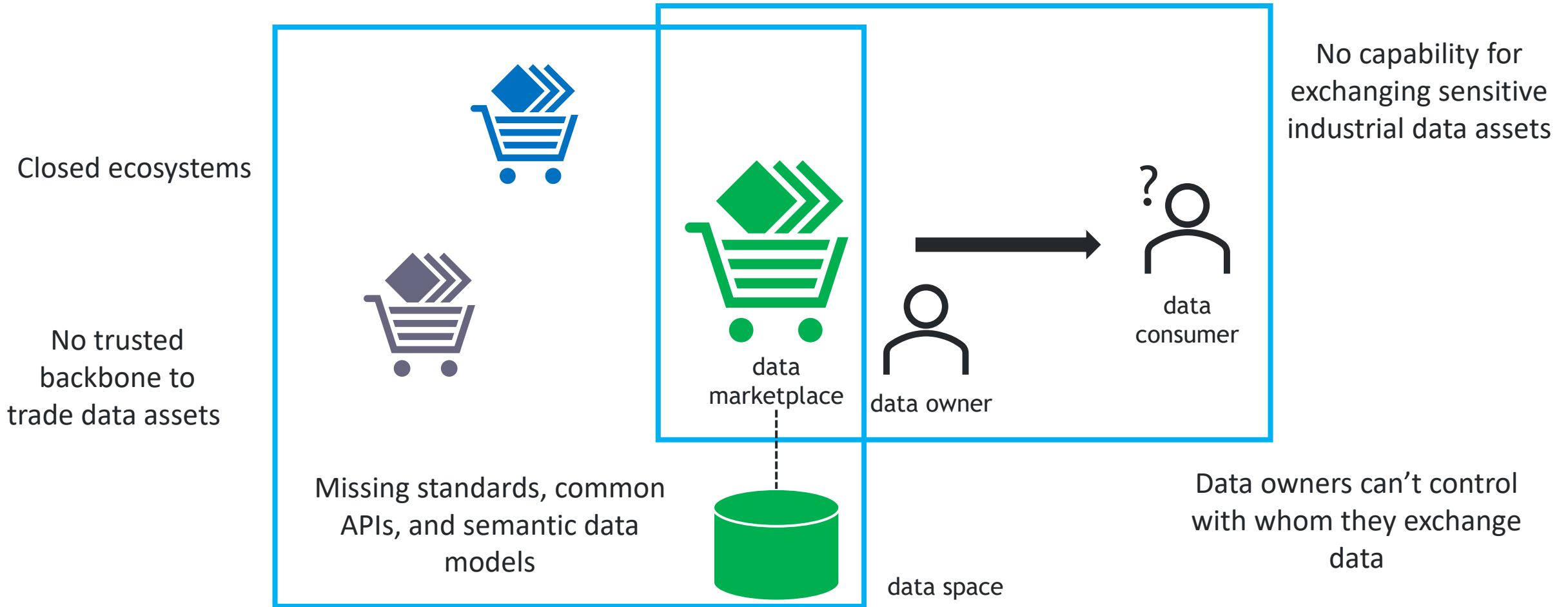


Data Spaces and Data Marketplaces

Data Week 2021



Challenges for data marketplaces and data spaces



Industrial challenges for marketplaces and data spaces



Protect **sensitive data**

- product use data from customers
- industrial data, e.g., operational data from factories for condition monitoring, machine and process optimization, or production scheduling services



Don't disclose the identity of the data provider



Find the **right data** – maybe even from other domains

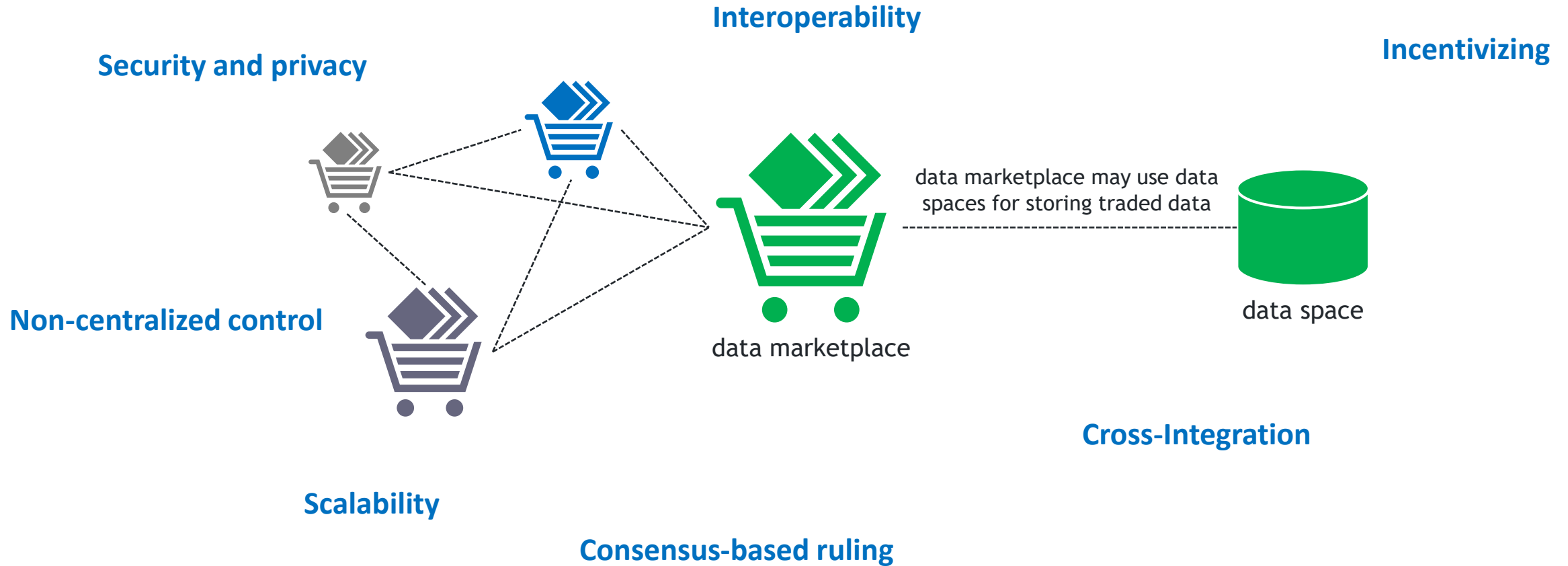


Find the **right business partner**, e.g., for machine optimization

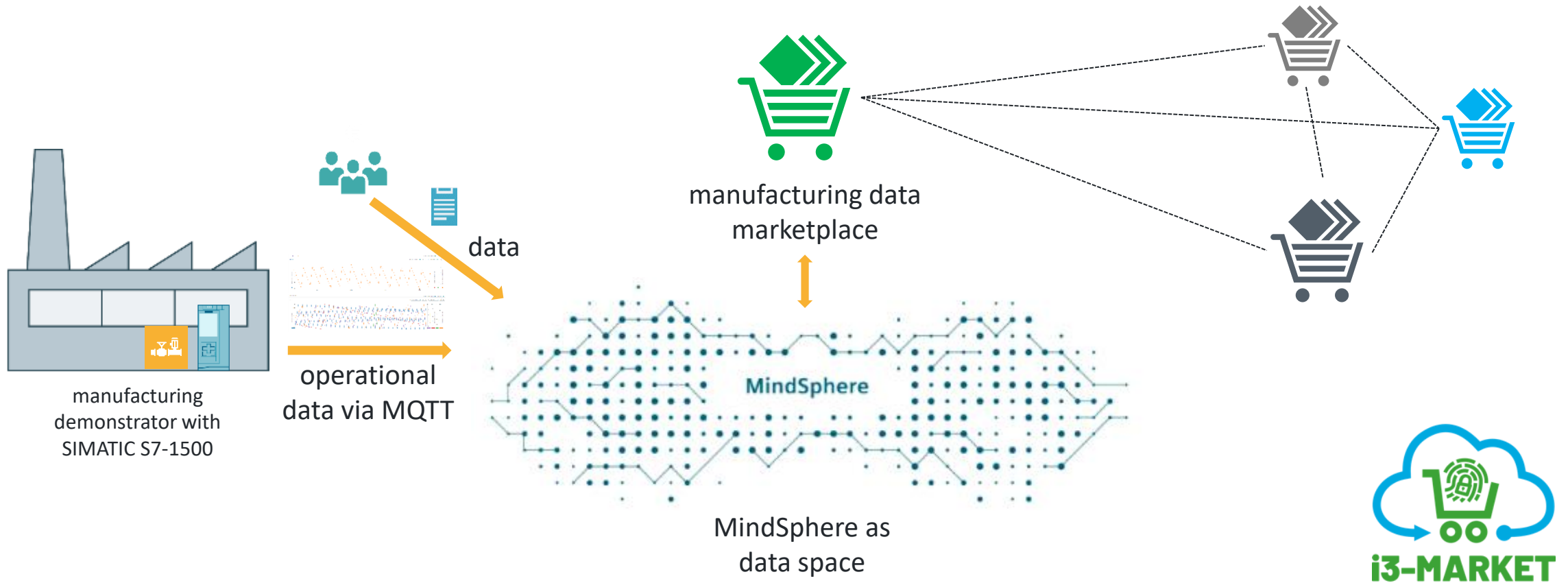


Identify **new business models** for data trading – how to monetize data?

Marketplaces, data spaces and their required properties



Pilot for manufacturing data marketplace based on MindSphere as a data space



Siemens participated in related funded projects



BIG IoT – Bridging the Interoperability Gap of the Internet of Things

Ignite an IoT Ecosystem of services and applications with the main objectives:

- 1) **integrate**: enables an interoperable interaction of services and applications with existing IoT platforms;
- 2) **share**: services and applications through the BIG IoT; and
- 3) **marketplace**: enables advertisement, discovery, monetization, and reuse by the participants. BIG IoT Marketplace allows companies who provide IoT platforms and services to monetize their resources.