

# Professional Dataspace Service Applications

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# Professional Dataspace Service Applications

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## Pharmaceutics

- Complex supply chains
- Many suppliers
- Strict regulations

## Strict regulatory requirements

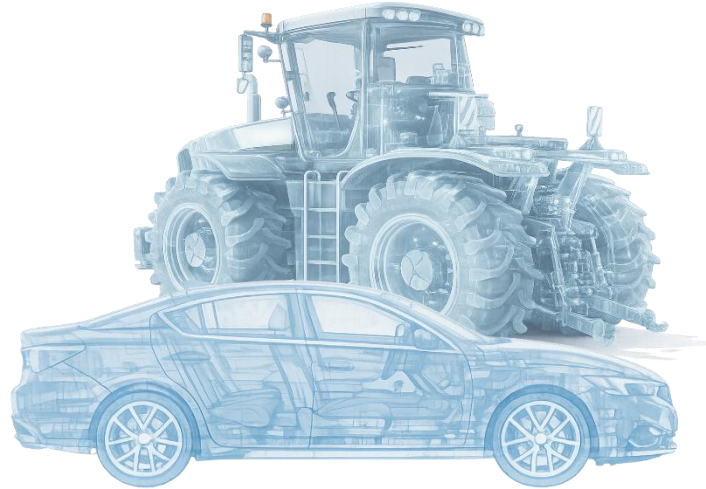
- Good Manufacturing Practice – along supply chain
- Traceability of charges across supply chains with many suppliers
- Audit trails & documentation of all changes
- Proof of data integrity
- Identification of fake products

# Professional Dataspace Service Applications

## Challenges, Similarities, Differences



Production



Automotive



Furniture

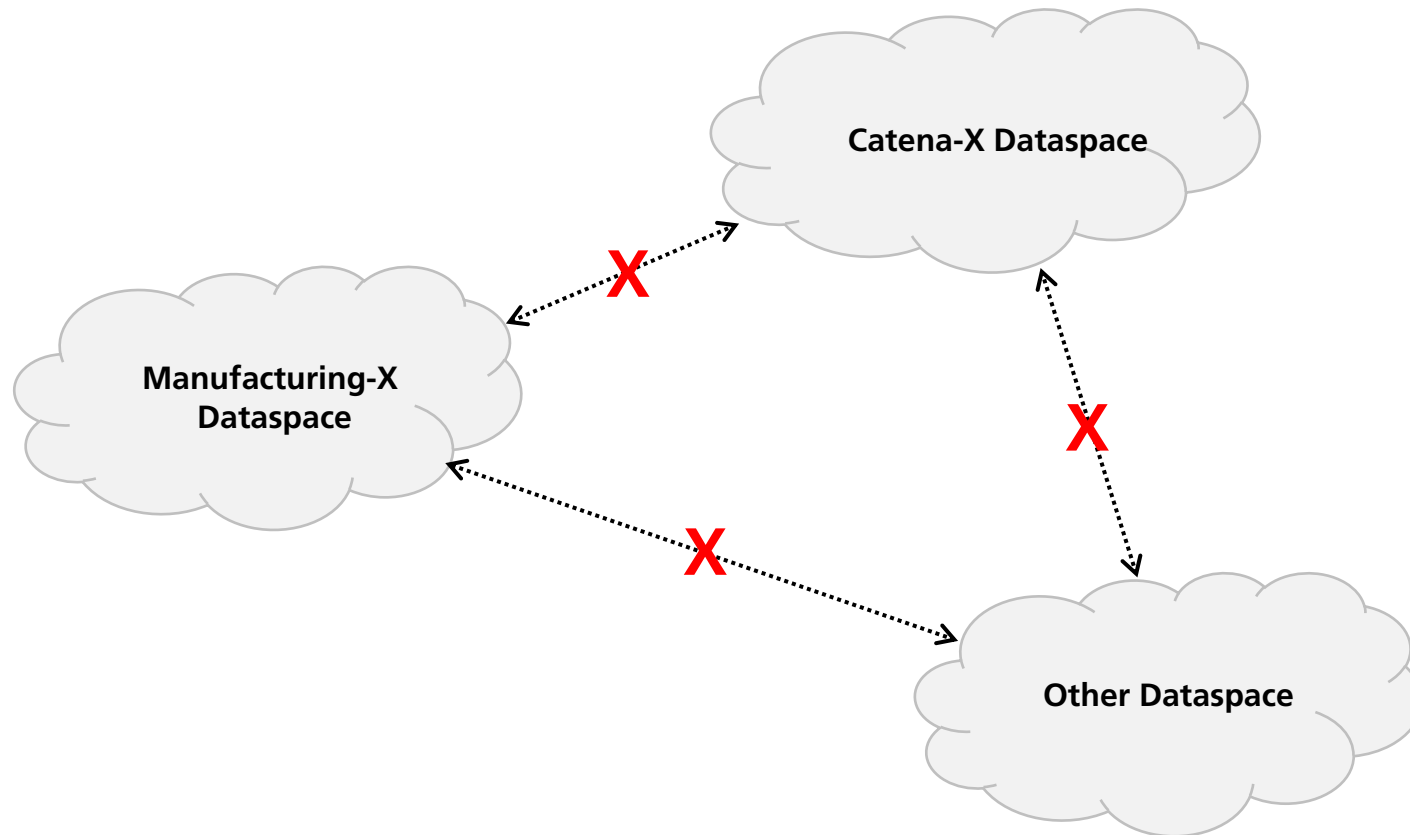


Pharmaceuticals

- Same need to share sensitive information across supply chains
- Same need for Digital Twins and data spaces
- Different regulatory principles and data models → Same Dataspace and digital Twin technology, different Governance principles

# Professional Dataspace Service Applications

## Interoperability



### Industry domains are not independent

- We need simple data exchange also across sectors

### Goal: (universal) interoperability across Dataspaces

- Mandatory for acceptance of dataspace idea

### Interoperability requires:

- Compatibility wrt. Technology
- Credential schemes / roaming  
(e.g., *Business Partner Number*, *Organization Identifier*, *Participant ID*, etc...)
- Claim vocabularies
- Verifiable credentials
- Trusted issuers



## One-Stop-Shop: Everything from a single source

- Strong partnerships for your implementation: from consulting to development and implementation to operation
- Administration shell - Dataspace for everybody - Data analysis and processing - Digital product passport



### Consulting, infrastructure, architecture, development & implementation

- Single point of contact (SPOC) for your implementation
- Specialised business area for Operational Technology environments
- Service, solution and API development
- Longterm expertise in infrastructure implementation and operation
- Cross-domain, End-to-End capabilities



### Intelligent Data Infrastructure

- Enterprise readiness
- Cloud integration (Azure,AWS,Google)
- Backup recovery
- Life cycle management
- Kubernetes Integration
- AI Solutions with NVIDIA



### Research & Development

- Consulting
- Operating System BaSys
- BaSys Life Cycle management
- Data Space for everybody
- Second Level Support
- Tailor made developments



### Open Source Solutions, Services & Support

- Longterm open source expertise
- 24/7 open source support with SLA
- Open source infrastructure management on Enterprise level
- Life Cycle Management
- Kubernetes, Elephant Shed, OpenStack, Proxmox, Monitoring, Security, Automation

# Thank you!

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