

SECOND

# ECLIPSE TRACTUS-X COMMUNITY DAYS

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STUTTGART



**ARENA2036**



SUPPORTED BY:



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**IDTA**





Pitch Workstream

# Semantics and the Asset Administration Shell

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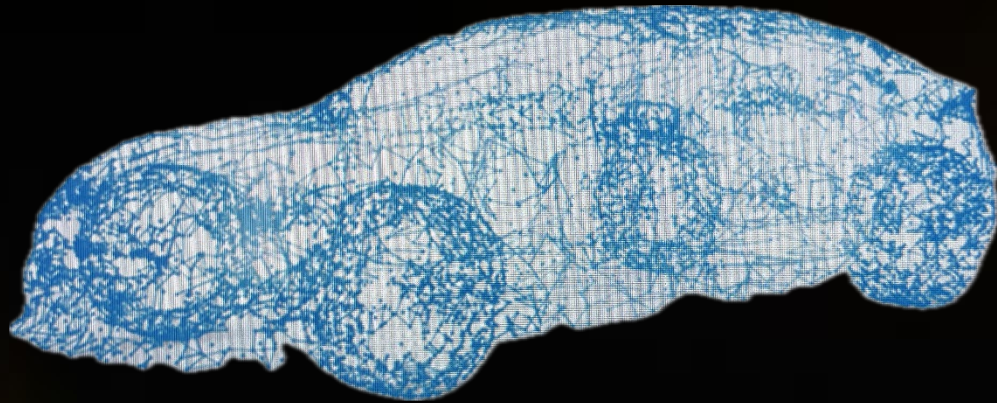


Tractus X





# In the future every...



... vehicle and its components ...



... product produced ...

## ... will have a digital twin!





# Digital Twins: Benefits by Use

## Benefits

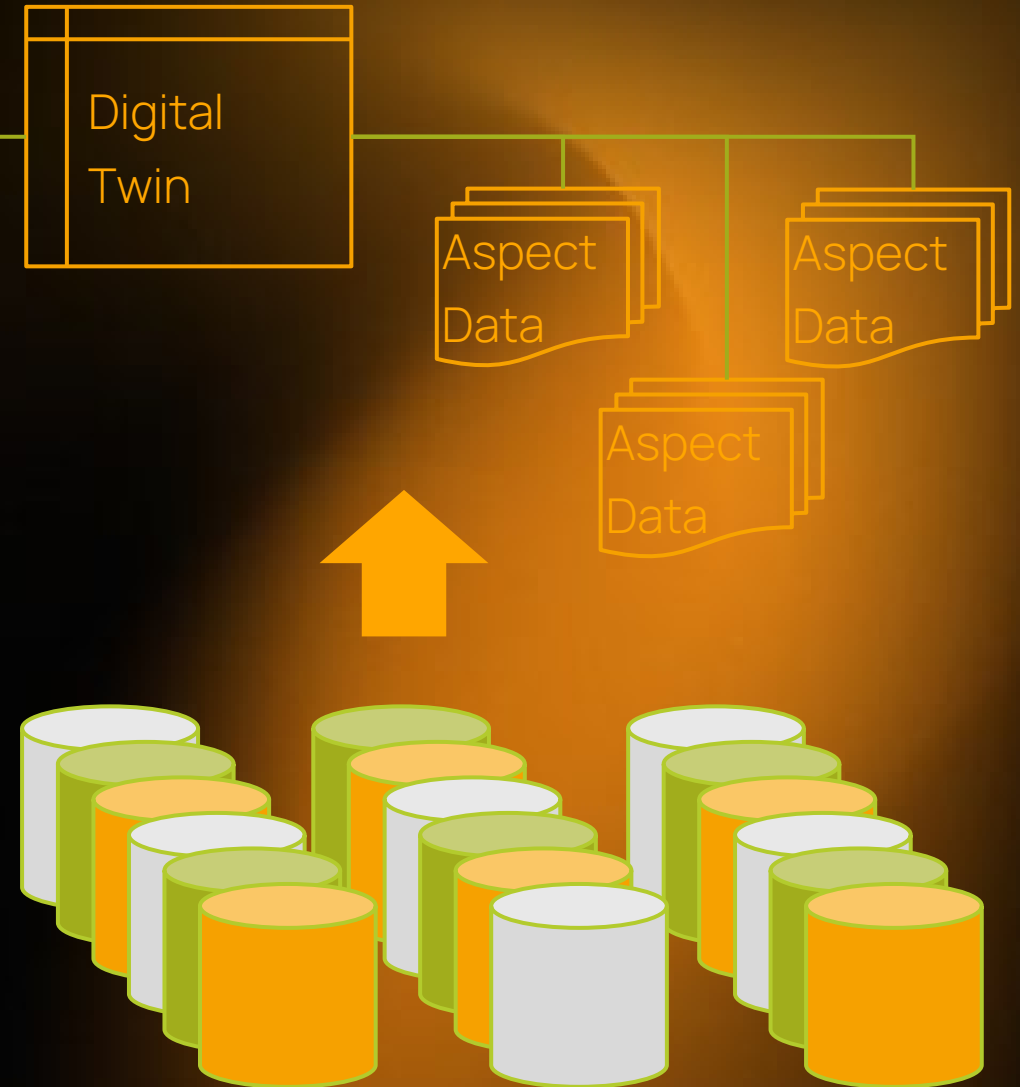
- homogenization of data landscape
- enhanced data quality
- increased data availability
- strengthened interoperability
- automated processing on supply chain data
- enabled product lifecycle management



Data Consumer



Heterogeneous Data Landscape



# ... join Workstream on Semantics and Digital Twins

Be ready to embrace a complete Catena-X Digital Twin hands-on challenge!



## INTRODUCTION

You will learn how Digital Twins enable data exchange in the Catena-X dataspace based on clearly defined semantics. Data Sovereignty is ensured by a decentralized approach.

It is summer soon: **lets build a convertible!**



## PHASE 1: DATA CONSUMPTION

**Search** for existing Digital Twins from different data providers and get the data you are interested in.

Technically: Learn about **Discovery and Registry READ Profile** of the Asset Administration Shell (AAS) as well as its **GetSubmodel** API.



## PHASE 2: DATA PROVISION

**Create** and **register** a Digital Twin that can be accessed by your OEM.

**Reference** existing Digital Twins of your suppliers via asset IDs in the BOM.

Technically: Learn about **Registry Profile** and **Write APIs** of AAS.

### PREREQUISITES:



Bring your **computers!** (Pre-Install Postman!)

**Look forward** and don't forget to also bring **community spirit** and your **questions!**