



Catena-X

Automotive Network

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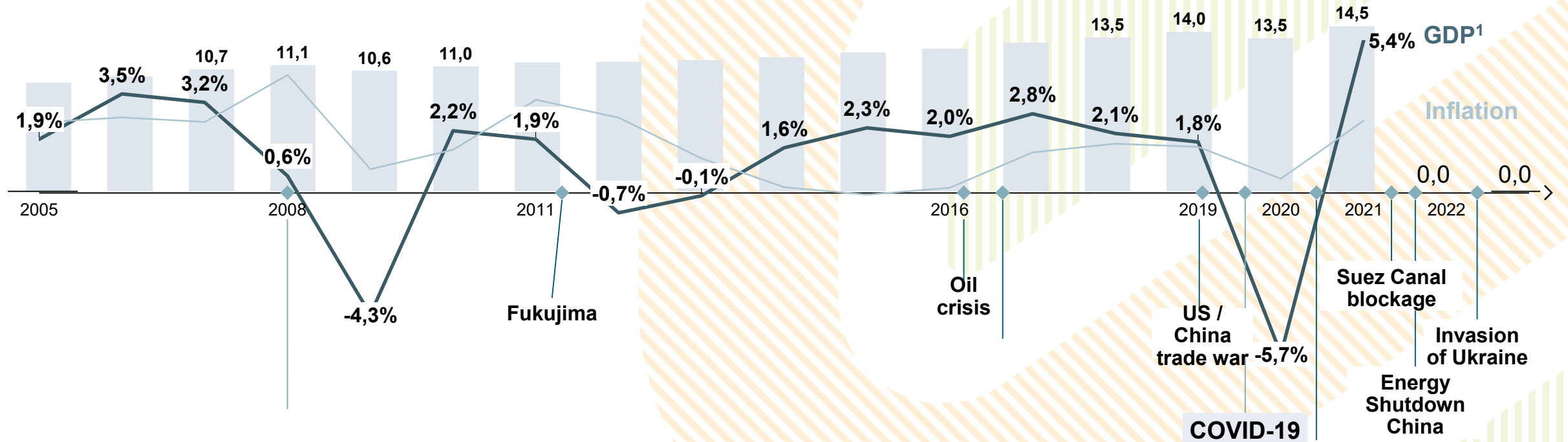
Data definition: EU industry policies and the global application of digital product passports

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Federal Ministry
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and Climate Action

Is your supply chain built to last?





Rethinking an entire ecosystem

SUPPLY RESILIENCY



SUSTAINABILITY



SYSTEMATIC COVERAGE



COST OF INNOVATION

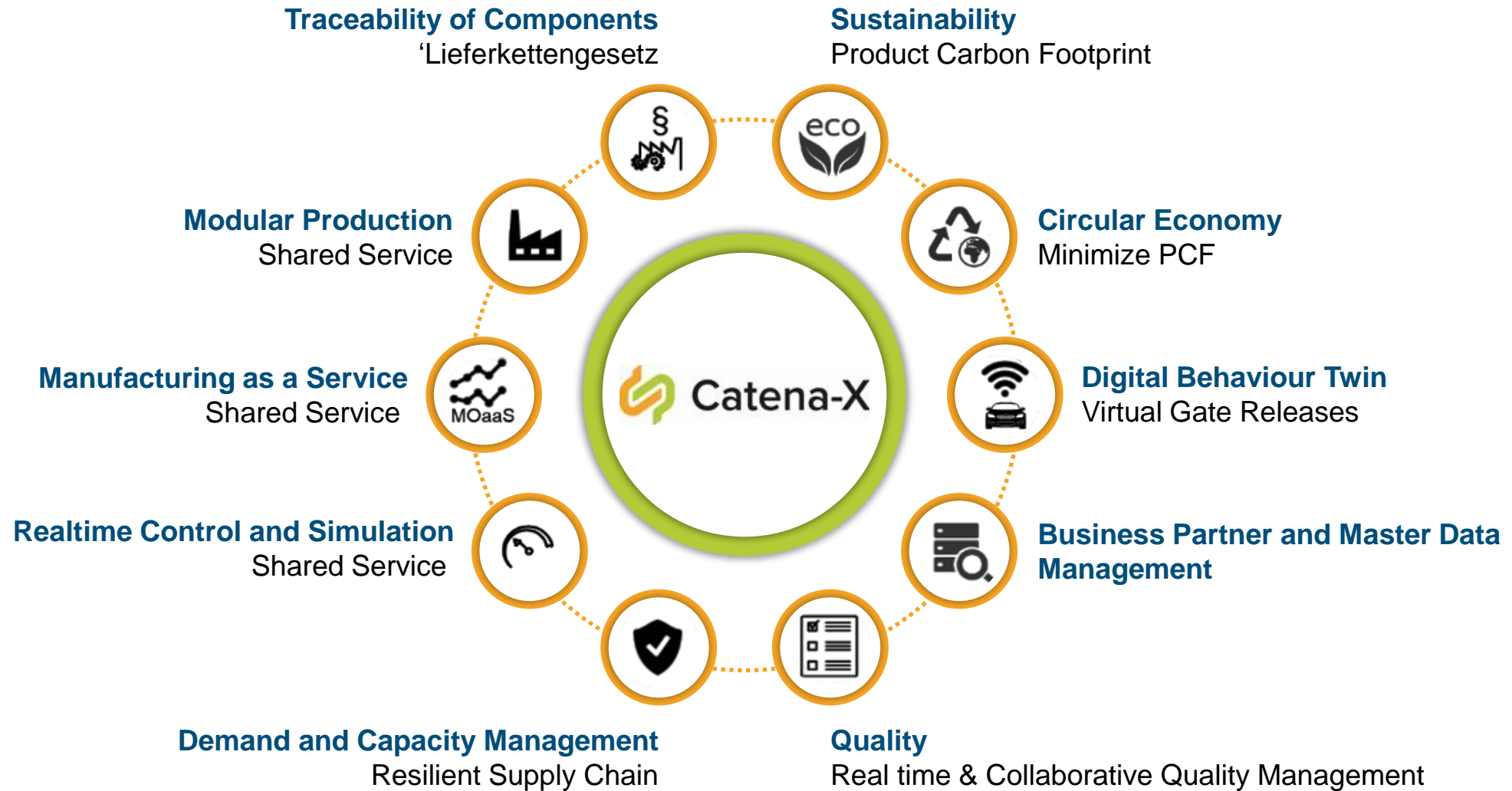


*and “close the loops
for circularity”*

No market player can solve these challenges on its own!



10 Initial Use Cases of Catena-X





We need Digital Product Passports !

Fulfill Regulatory Compliance

CHAPTER III - DIGITAL PRODUCT PASSPORT

*Article 8
Product passport*

The information requirements referred to in Article 7(1) shall provide that products can only be placed on the market or put into service if a product passport is available in accordance with the applicable delegated act adopted pursuant to Article 4 and Articles 9 and 10.

The requirements related to the product passport laid down in the delegated acts adopted pursuant to Article 4 shall, as appropriate for the product groups covered, specify the following:

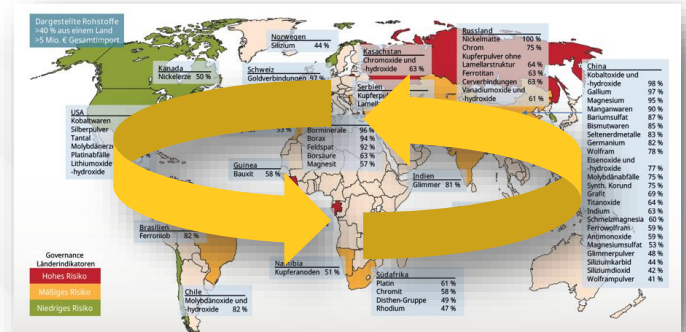
Mandatory sustainability requirements to put a product on the EU market

Maximize Product Transparency

The image shows three screenshots of a digital product passport interface. The first screenshot displays technical specifications for a 'Basislack' (base paint) under 'Abwehranstrich (EM-Gemischte Systeme)'. The second screenshot shows a table of material composition for 'Abwehranstrich 2.1'. The third screenshot shows a 'Safety data sheet' for the product.

“Digital” data sharing with customers: Aggregate all relevant data in a digital product passport

Enable Circular Economy





The Battery Passport. The first tangible “DPP 4.0”

Catena-X Battery Passport

Battery ID: H436595670581C11592587939283343

GENERAL
Type: **NCA**
Model: Li-Ion-S-Model

PERFORMANCE
Rated Capacity: **120 kW**
Original Power: 305 Ah

HEALTH
State of Health (SoH): **93%**
Charging Cycles: 675 / 1500

SUSTAINABILITY
Ni: 4%, Co: 15%, Li: 5%, Pb: 0%
CO₂ Total: **1,3 t**

General Information | Product Condition | Composition | Cell Chemistry | Electrochemical Properties | Additional Information

Battery ID: H436595670581C11592587939283343
Warranty: 60 months
Date of Manufacturing: 2022-01-24
Manufacturer Information: CompanyA, 81345 Munich, Germany. +49 89 1234567893, www.oem-a.com, info@companyA.com
Place of Manufacturing: Munich, Germany
Battery Type: NCA
Battery Model: Li-Ion-S-Model
Dimension: L: 1800 mm, H: 200 mm, W: 1000 mm
Weight: 550 kg
Date of Market Placing: 2022-03-27
CO₂ Footprint: 1,3 t CO₂ Total

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Cell Chemistry
cathode active material, anode material, ...

Manufacturing
Date of manufacturing ...

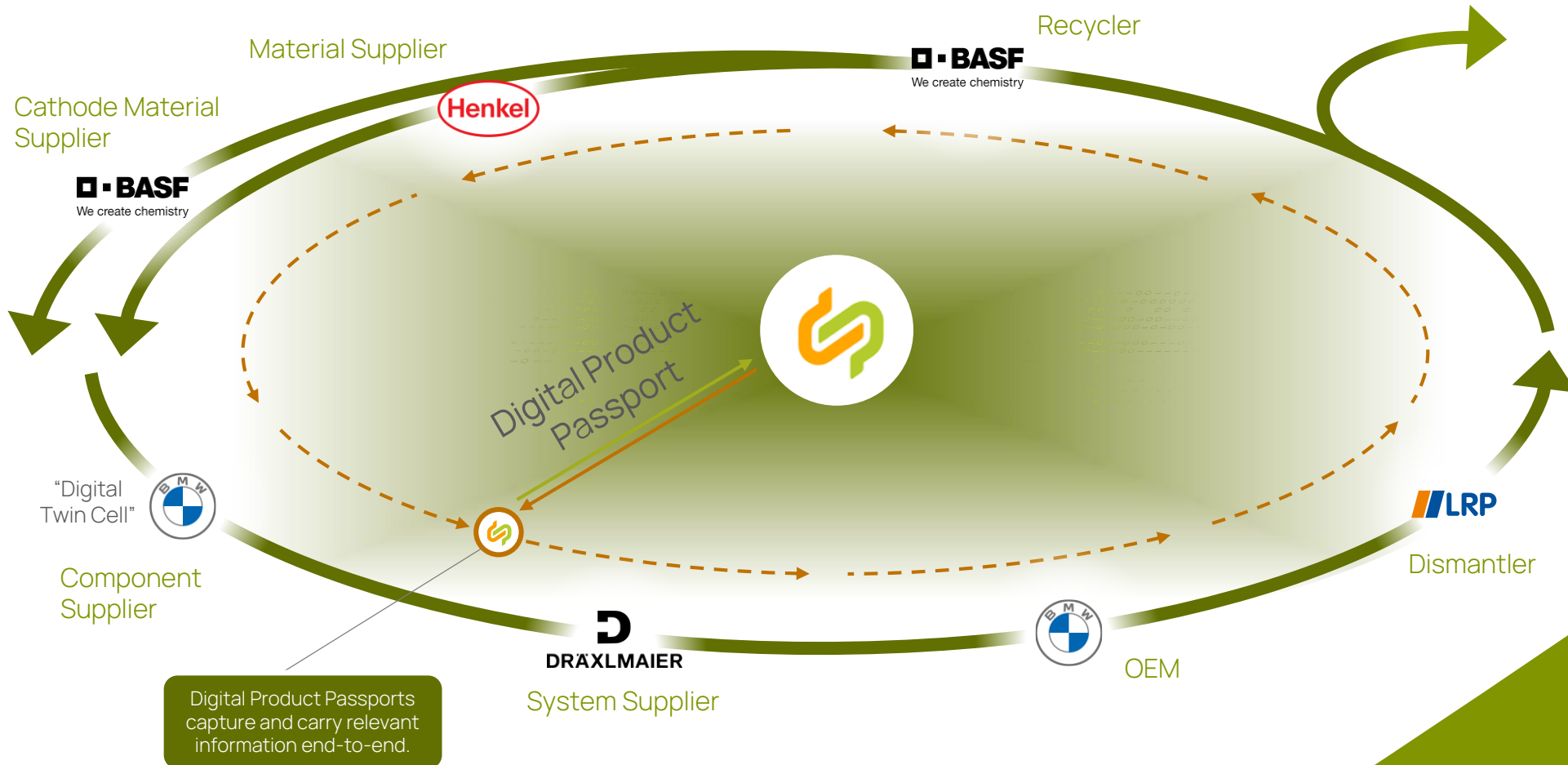
Other attributes
Physical dimensions, CO2 footprint

Electrochemical Properties
Battery energy, voltage ...

State of battery
State of health, state of charge, charge cycles ...



It works. Digital Product Passports enabling Circular Economy



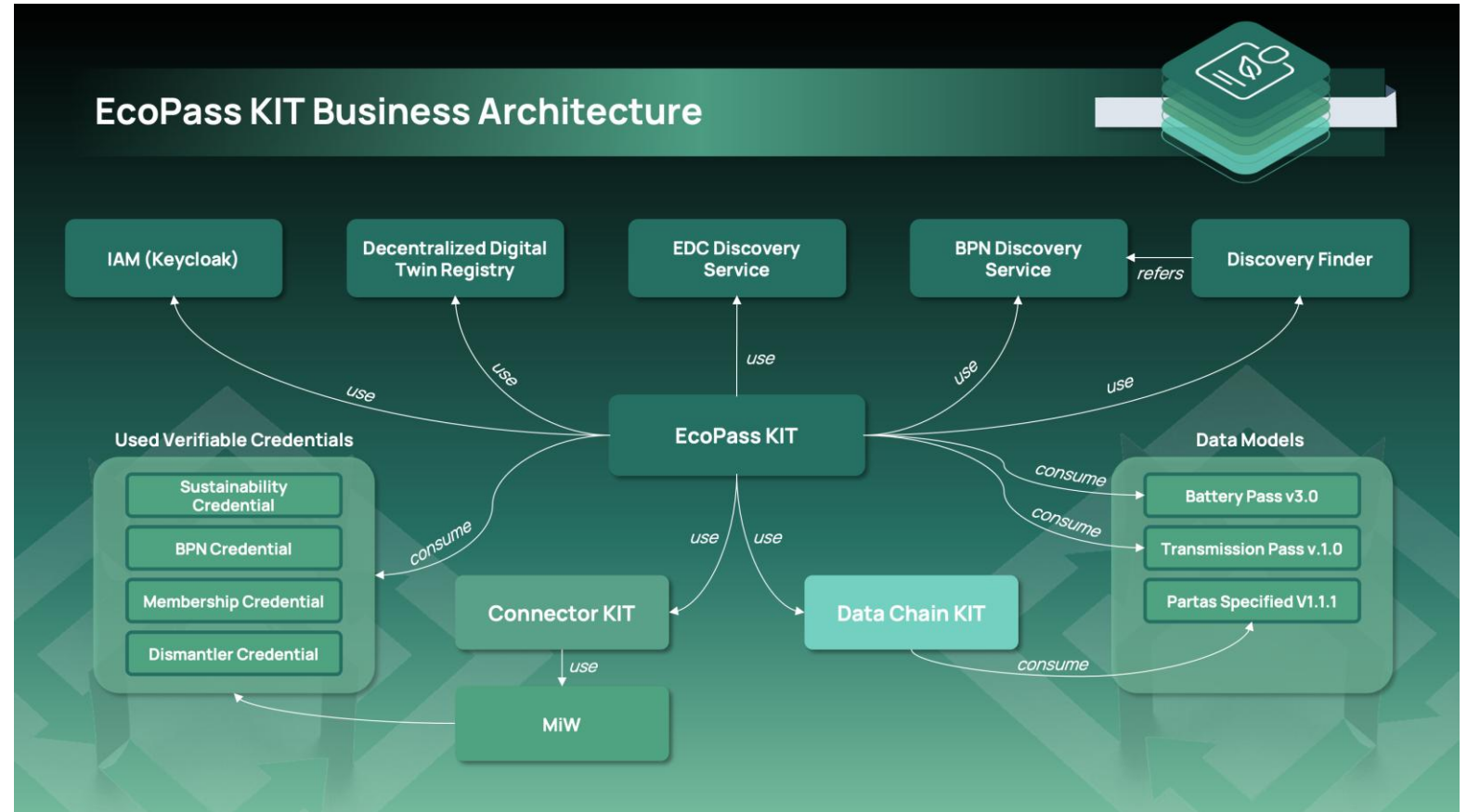


Utilizing the Catena-X ecosystem



Eco Pass

Leverage the transparency of digital product passports to strengthen sustainability & compliance.



Eco Pass KIT @TractusX Repository

Thank you for your attention.

Thorsten Dikmann

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