



**DIGITAL PRODUCT
PASSPORT:
REGULATORY
REQUIREMENTS FOR
THE EU MARKET**

EU vision for Digital Product Passports

‘The Ecodesign for Sustainable Products Regulation aims to significantly improve the circularity, energy performance and other environmental sustainability aspects of products placed on the EU market.’

‘The ESPR will introduce a Digital Product Passport (DPP), a **digital identity card for products, components, and materials**, which will store relevant information **to support products’ sustainability, promote their circularity and strengthen legal compliance.**’

This information will be accessible electronically, making it easier for consumers, manufacturers, and authorities to make more **informed decisions related to sustainability, circularity and regulatory compliance.**

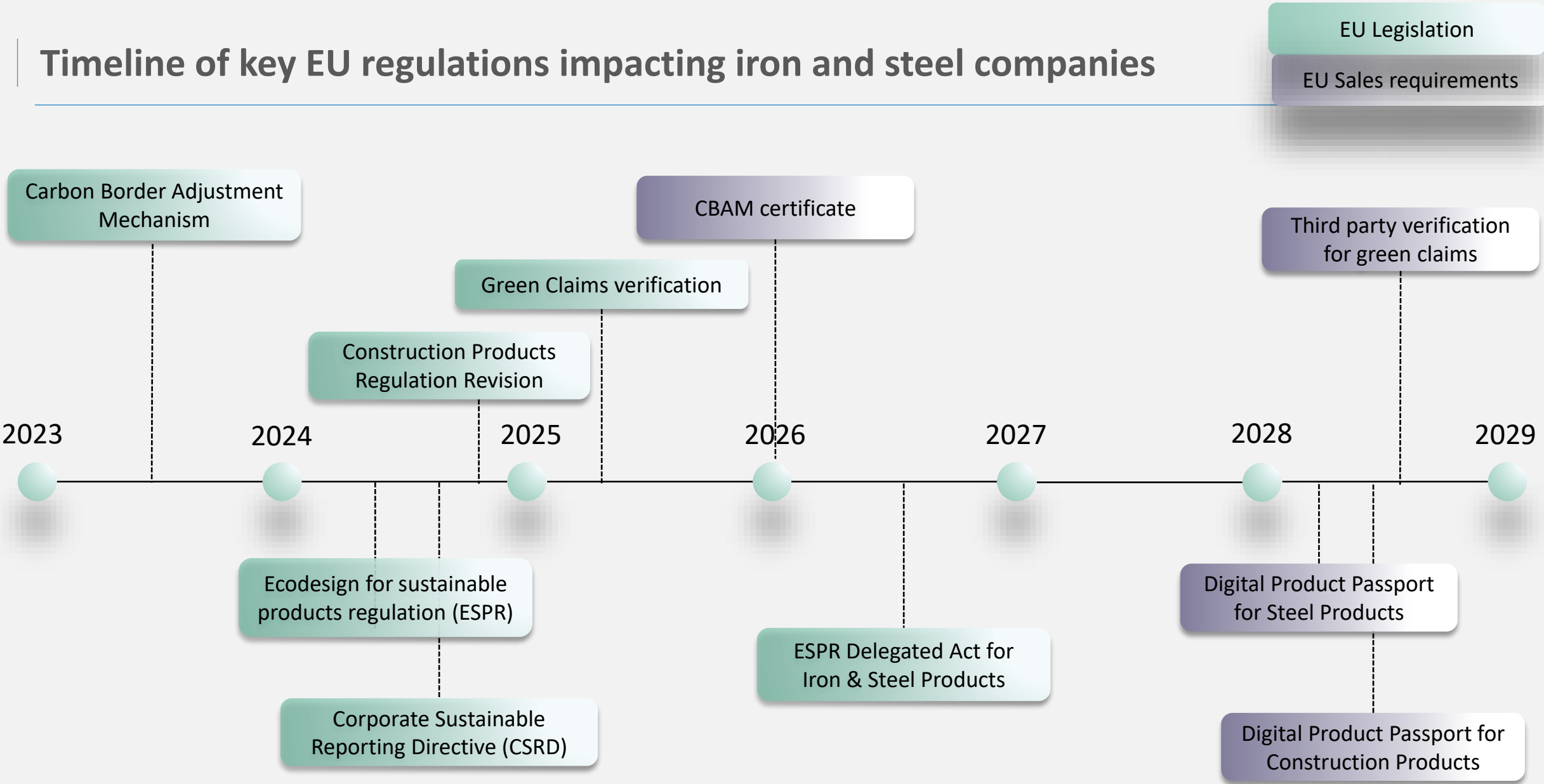
To address:



And provide:



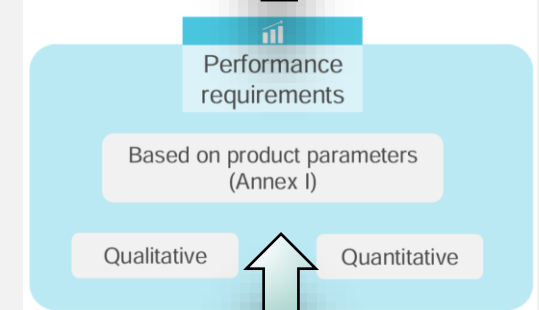
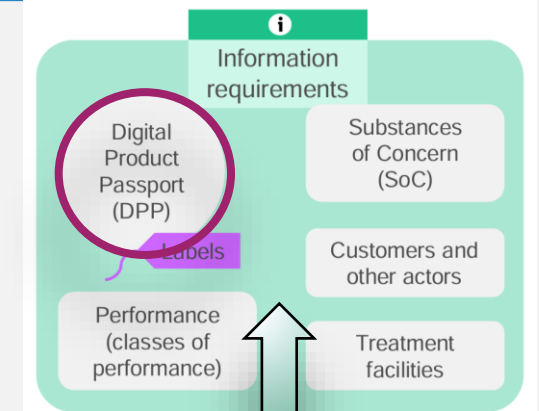
Timeline of key EU regulations impacting iron and steel companies



EU ESPR Delegated Act for Iron and Steel

Scope of performance targets & DPP information requirements

- EU Product Bureau [preparatory study Iron and Steel](#) – Deadline June 2025
- Ecodesign forum for consultation on ESPR delegated acts – Q1 2025
- Delegated Act for Iron and Steel – expected mid 2026
- Transition period 18 months for compliance – expected mid 2028



10 Potential
Iron & Steel
Product Aspects

Key product aspects under ESPR

Article 5 – Ecodesign requirements



Ecodesign Requirements can be expected to be updated over time in 5 or 10 year cycles

- Revised CPR adoption **expected in Q4 2024 by EU council** ([latest text](#)).
- Revised CPR covers **updated standards per product group & Digital Product Passports**. DPPs will be required as of **2028**.
- CPR product groups cover **Structural metallic products & Reinforcing Steel** as high priority (rank 2 & 3 of 34).
- CEN/CENELEC [standardization requests in preparation](#) via expert working groups since 2022 for new requirements for **Declaration of Performance and Conformity**
- Reporting of **Environmental Product Declaration (EPD) indicators** required in **DPPs**, following EN 15804+A2 + [prEN 17662](#) Product Category Rules for **structural metallic products**.

High level DPP information requirements under CPR:



Aspects to be considered in new Standards per product group for updated Declaration of Performance and Conformity ..'

Required Information in Digital Product Passport

TRACID

The TRACID logo, featuring the word 'TRACID' in blue. The 'C' is replaced by a circular icon with three dots and arrows indicating a cycle. Below the word is the text 'PRODUCT TRACING SERVICES' in a smaller, grey font.

TRACID
PRODUCT TRACING SERVICES

**OFFERING FOR DIGITAL
PRODUCT PASSPORT
MARKET READINESS**

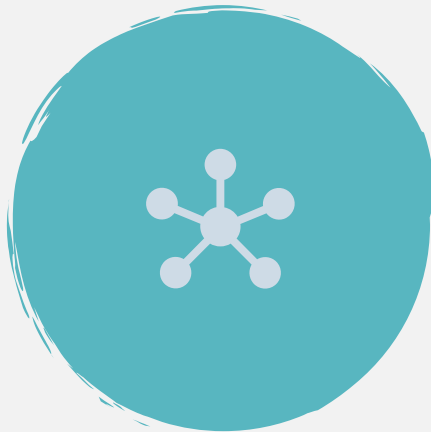
One solution for product digital identity, traceability and information exchange



Digitalise

Product Passports

Product identifiers +
QR-code +
information portal



Trace

Update Events

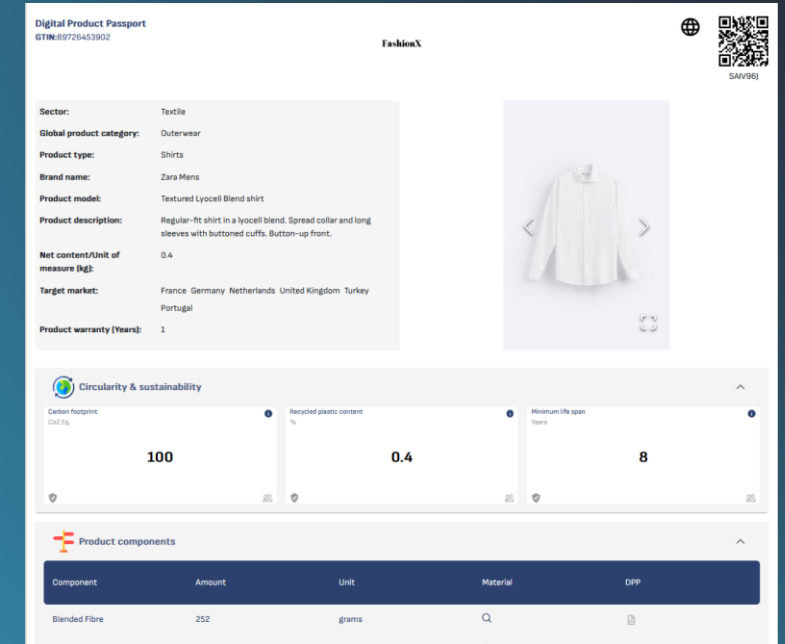
Life cycle updates +
Status logs



Exchange

Product Info sharing

User platform +
exchange partnerships



TRAC ID

Product Tracing Services

TRACID DPP use case: Compliance with EU ESPR regulation

Steel producer

Steel Product



Labelling with QR-code



Packaging &
Export declaration

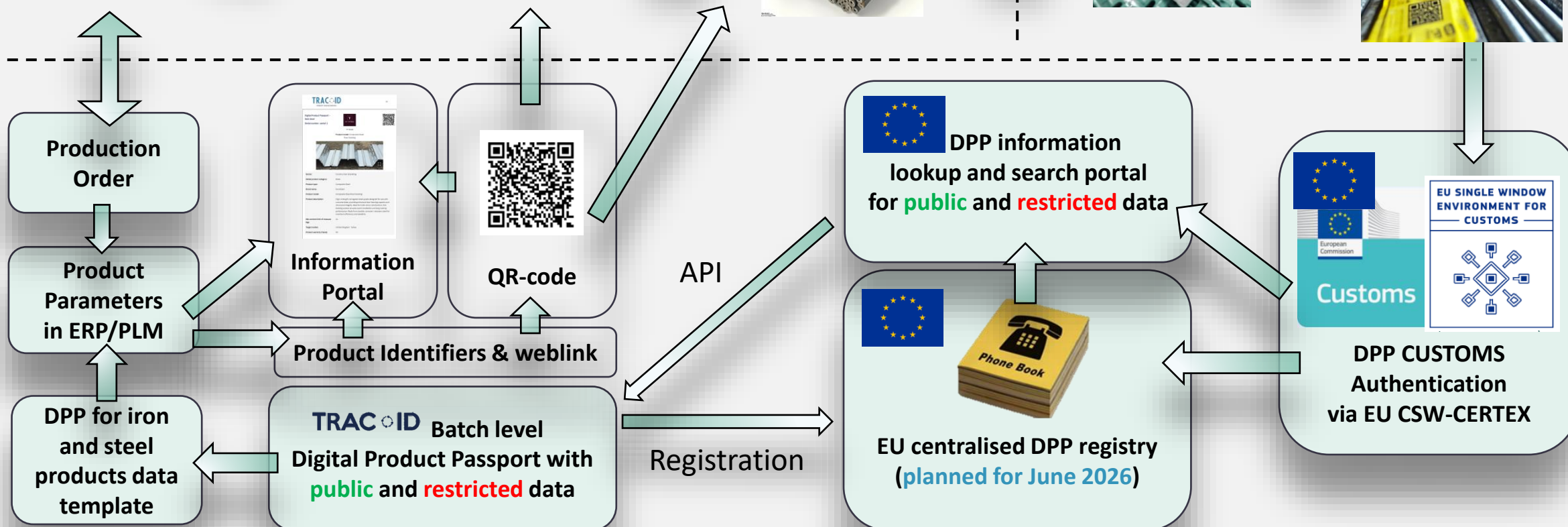
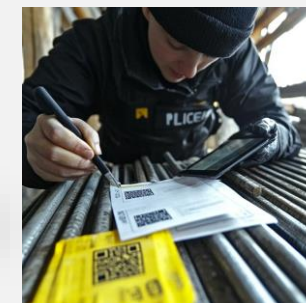


EU Importer

Import declaration

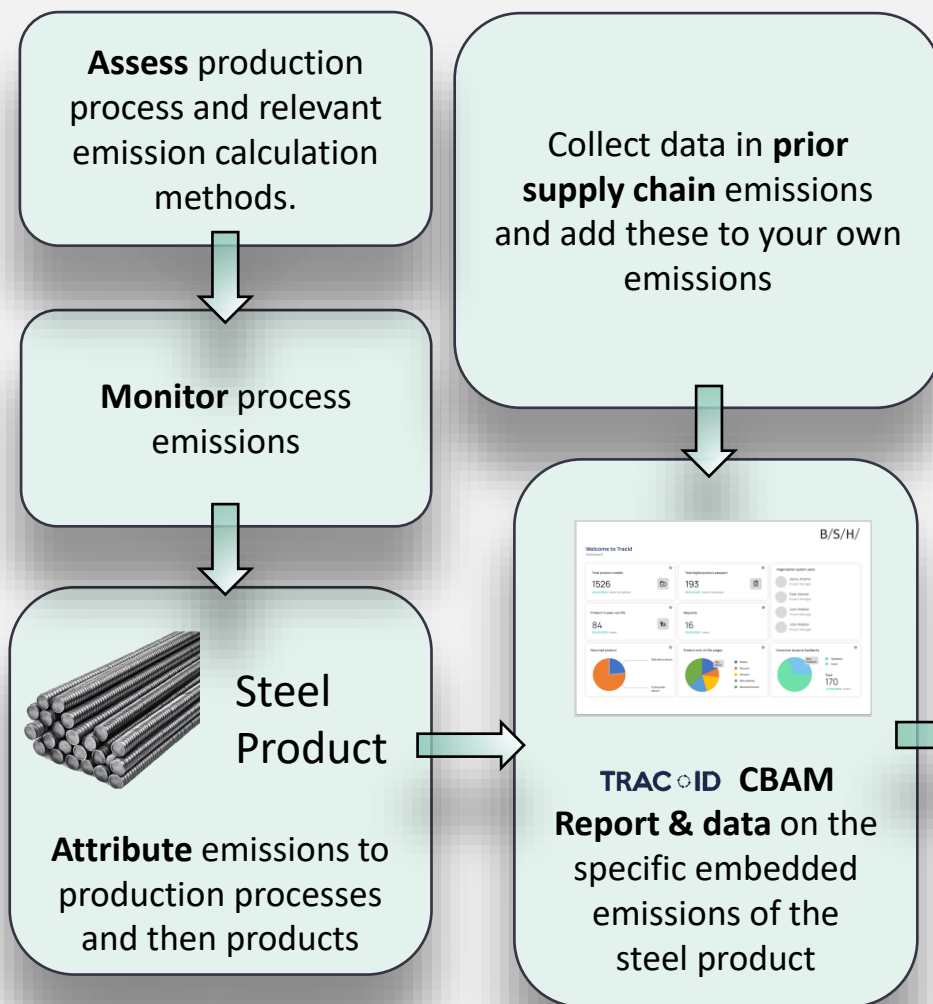


National Customs Check

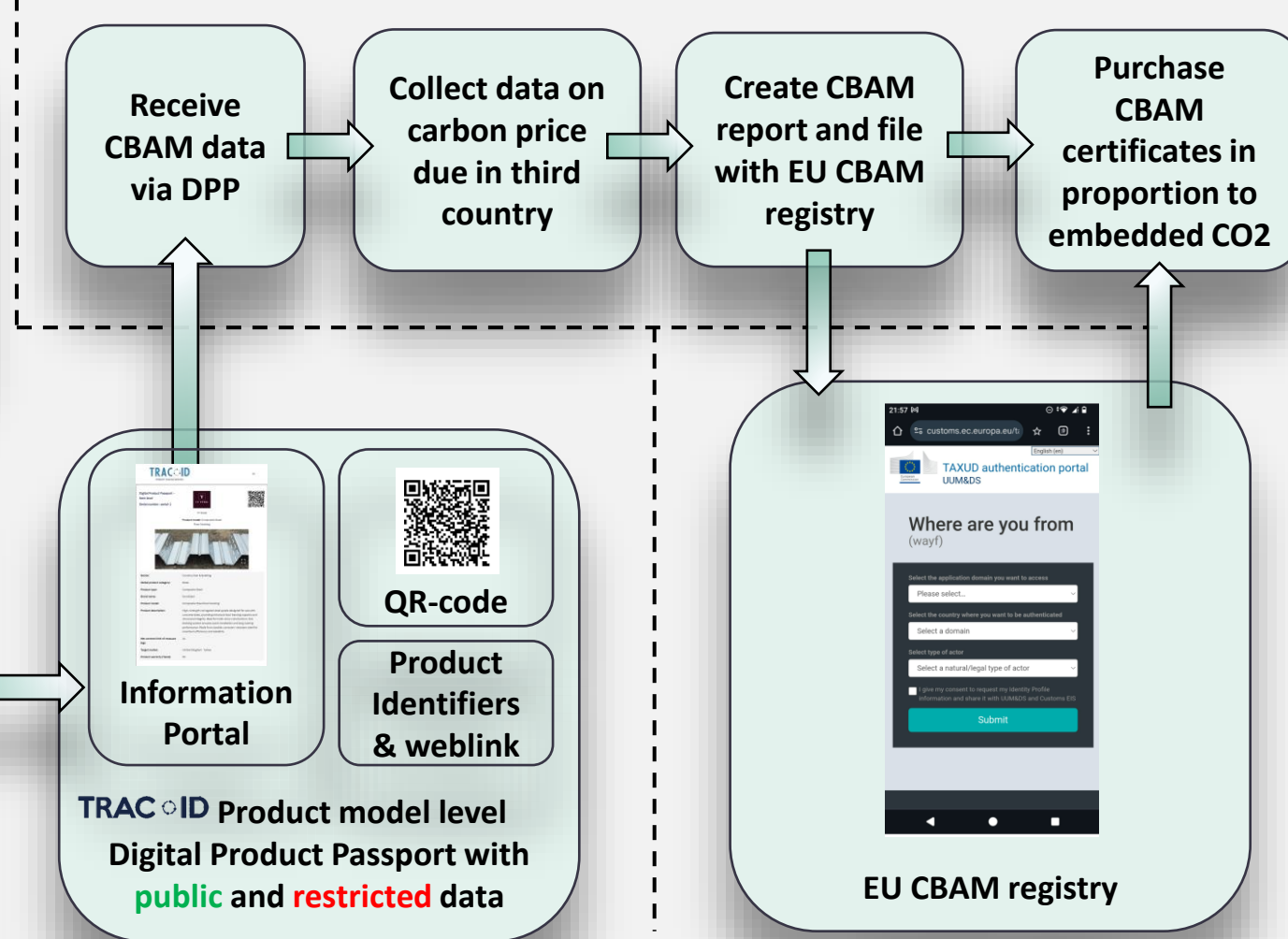


TRACID DPP use case: Compliance with EU CBAM

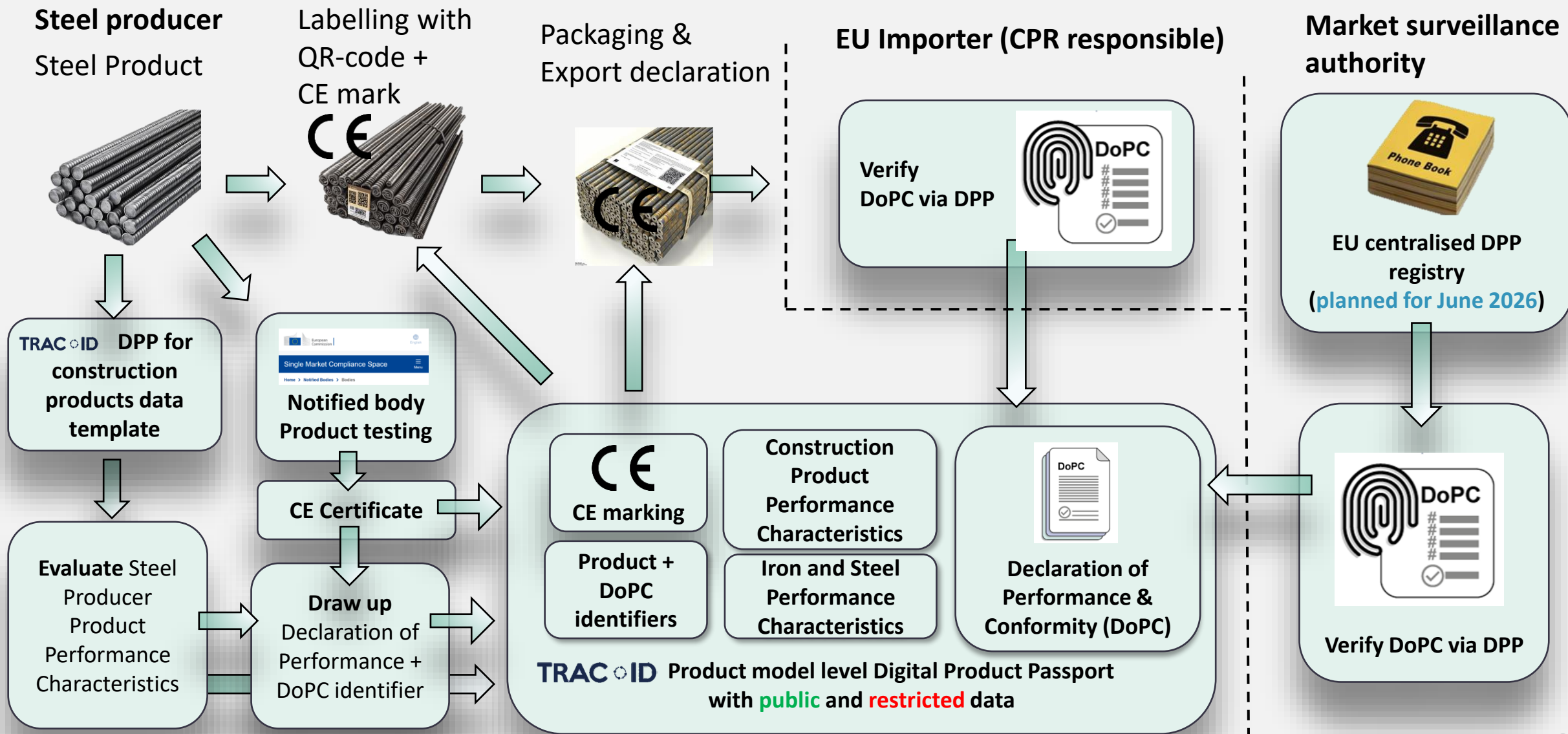
Steel producer



EU Steel product Importer (CBAM declarant)

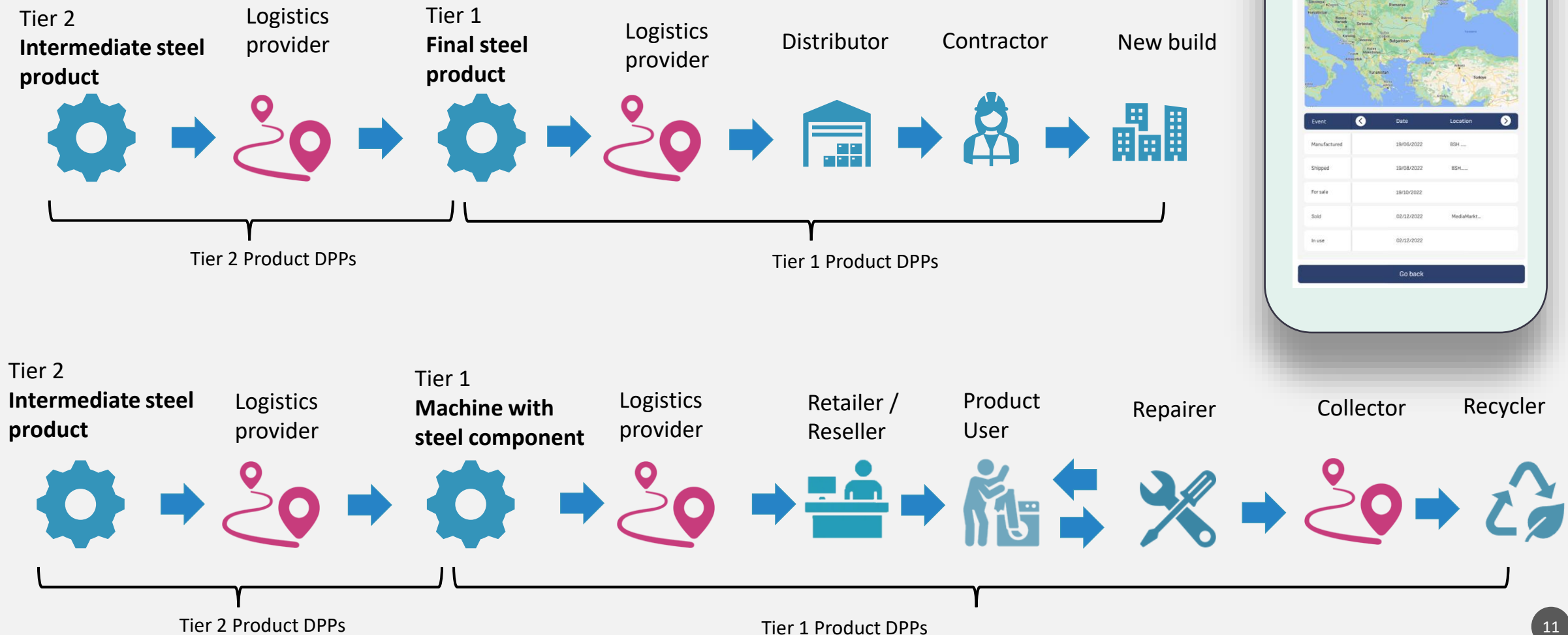


TRACID DPP use case: Compliance with EU Construction Products Regulation



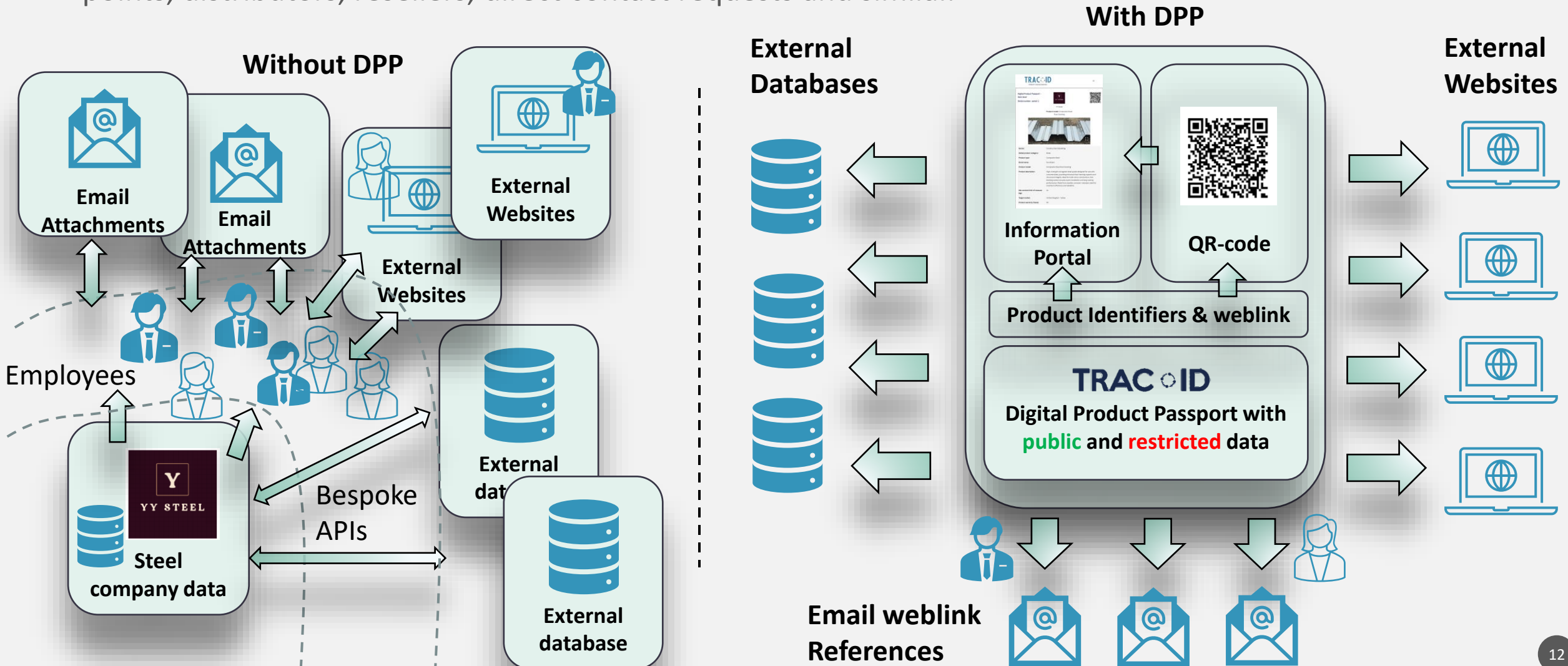
TRACID DPP use case: TRACEABILITY of Steel Products

At each stage TRACID Digital Product Passports can be scanned and updated by life cycle partners for traceability.



TRACID DPP use case: Cost savings in providing digital product data

Providing a **single point of access for Product Data for all purposes**, improving accessibility for sales points, distributors, resellers, direct contact requests and similar.



Roadmap for TRACID Iron & Steel DPP product information management services

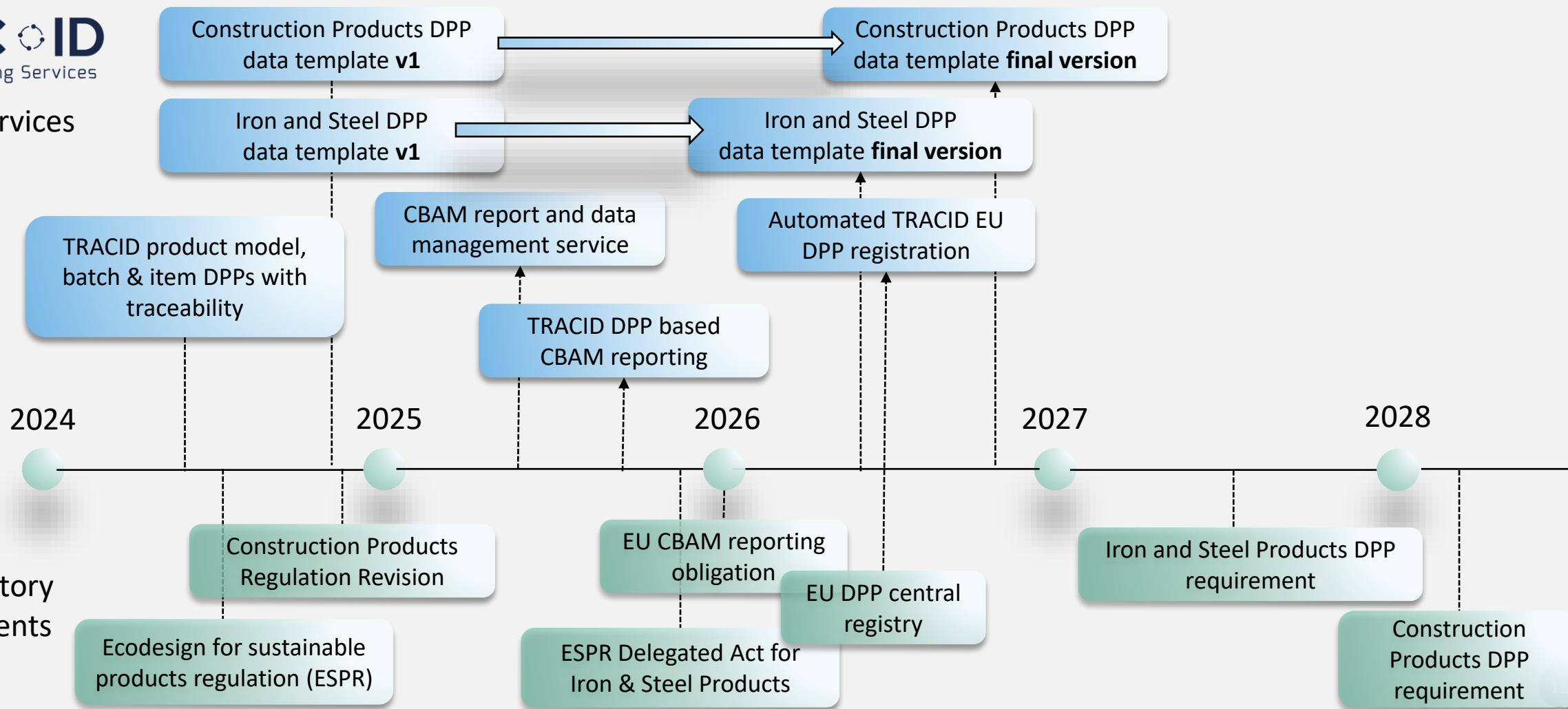
We will be ready to provide Turkish exporters with **one solution** for EU product export information needs



TRACID services



EU regulatory requirements



We offer **annual licenses**, varying per type of **Digital product Passport** at **model, batch or item level**.

TRACID ENTRY

Our **limited trial solution** for a **three-month period** to learn and evaluate Digital Product Passports for your business.

TRACID CONNECT

Our basic solution for modern **product labelling** with a novel DPP information portal.

TRACID UNIQUE

Our offering for **unique item level Digital Product Passports** with all information service features.

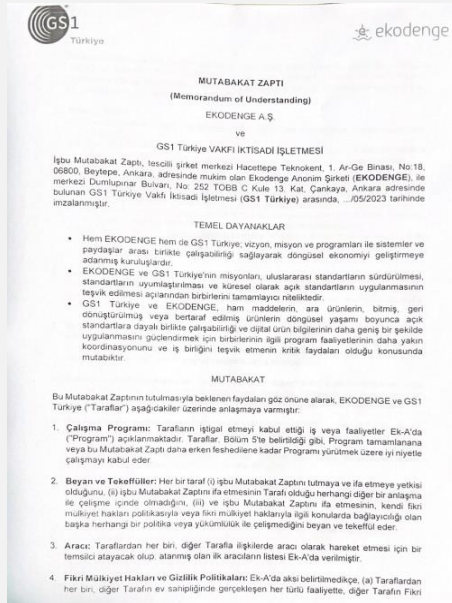
TRACID LOGISTICS

Our solution for deployment of **batch DPPs** for traceability to customers and import-export of batch shipments.

Prices scale by the number of product models and DPP QR-codes and information portals

We can **send a tailored pricing offer** based on: 1) license type, 2) number of product model variants 3) Maximum number of product items with a DPP for UNIQUE and no. of batches for LOGISTICS licenses.

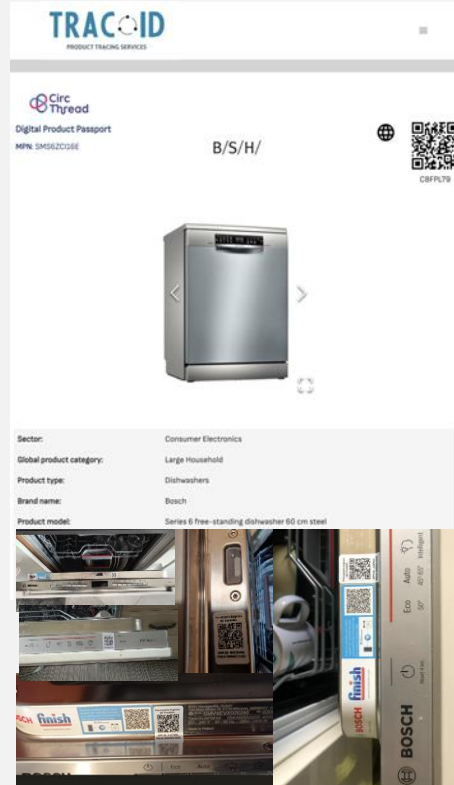
Demonstration & business collaboration references



MOU signed with GS1
Türkiye in 2023

B/S/H/ Bosch brand

DPP pilot partner for
dishwasher pilot with 30 Italian
consumers



EU funded project where our
DPP's are being piloted with 5
manufacturers to support circular
economy data and information
management

<https://circthread.com/>



Ekodenge is part of the EU funded
CIRPASS-2 project to demonstrate large
scale use of Digital Product Passports in
real settings with full interoperability of
the emerging European DPP Information
System.

www.cirpass2.eu

Hisense EUROPE

DPP pilot partnership with Gorenje-
Hisense as part of CIRPASS-2 project to
roll-out 1000s of DPPs for tumble dryers
and scale them to the 250,000 unit
factory



PRODUCT TRACING SERVICES

eco||wise  ekodenge

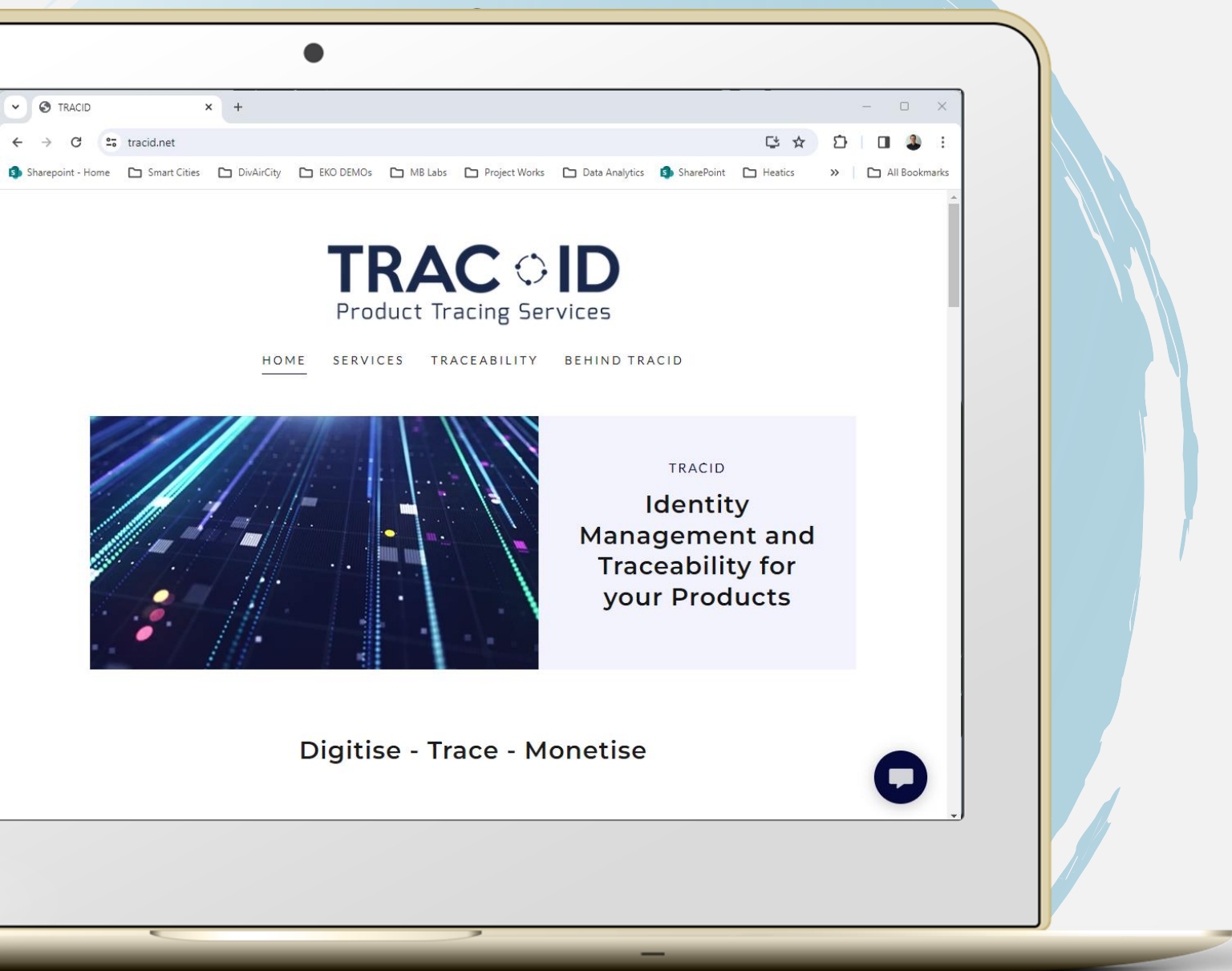
- **Ekodenge** provides is a digital software solutions provider for sustainability. The company founded in 1996 is based in Ankara and has a sister company **EcoWise** in London, England.
- We are at the forefront of DPP delivery working closely with European partners directly in the EU funded **CircThread** project and **Cirpass-2** projects.



About us



TRACID has received funding from the H2020 programme under Grant Agreement No. 958448 & the Digital Europe programme under Grant Agreement No. 101158775



Sample Interfaces


Feel free to
contact us for a
live demo




PRODUCT TRACING SERVICES

THANK YOU

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www.tracid.net 



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