

The technology

SSAB emits most CO₂ in Sweden





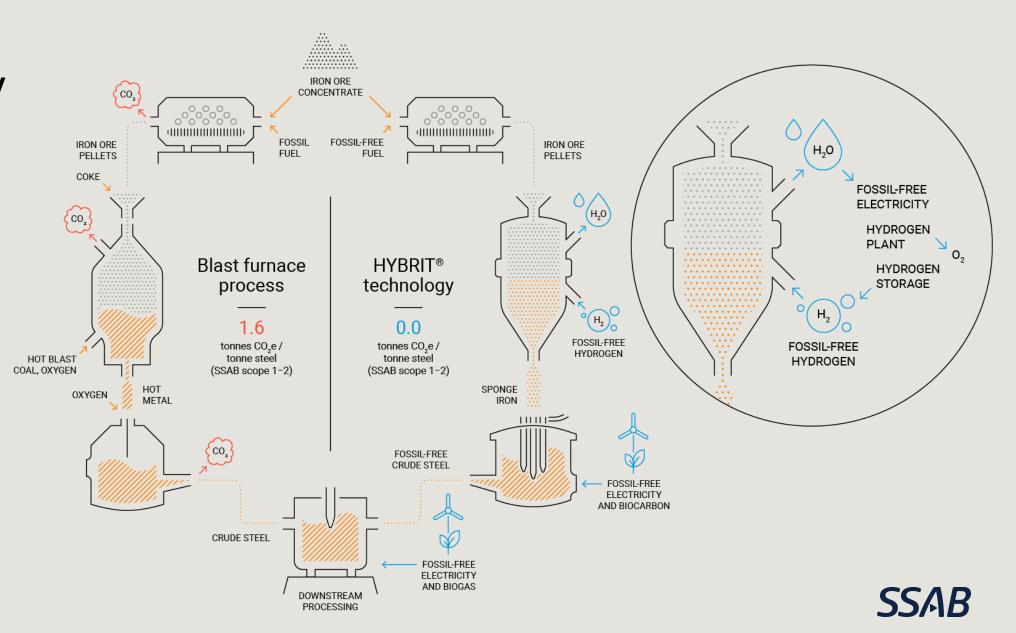
But we have invented the technology to eliminate the emissions

HYBRIT® technology

Fossil-free electricity makes hydrogen from water with electrolysis.

The hydrogen is used in the ironmaking process generating water as a by-product.

The water is used to make hydrogen again.



SSAB leads the conversion

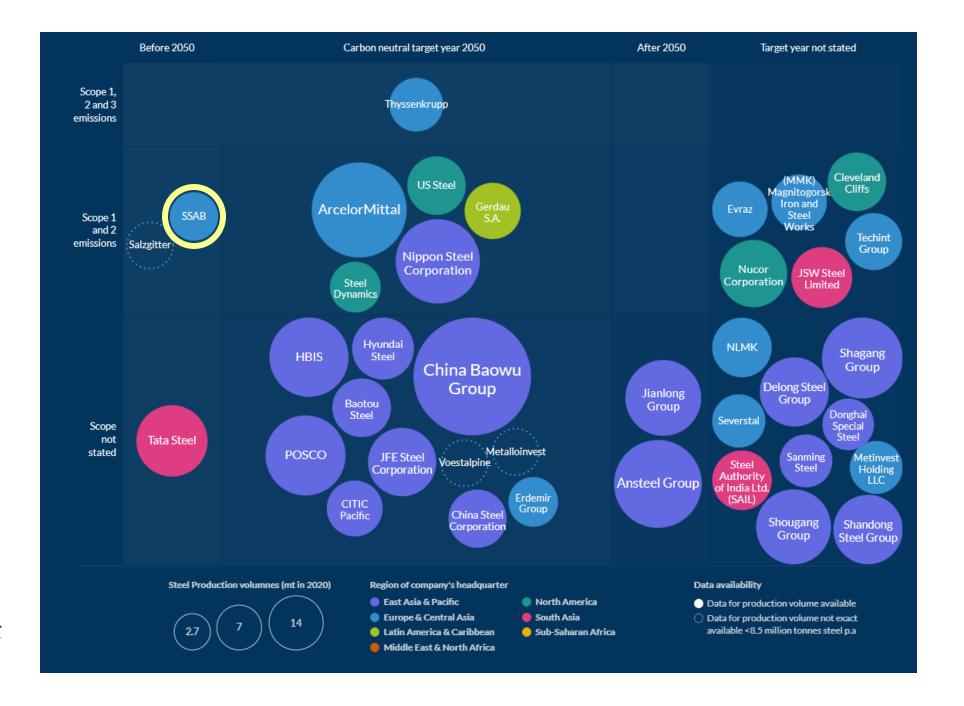
Source: Green Steel Tracker

Updated: 2024-01-24.

Link:

https://www.industrytransition.org/gr

een-steel-tracker





VOLVO

SSAB

The green deal



SSAR



All carbon price revenues are intended to positively impact ultimate consumers

Ensuring environmental integrity and addressing solidarity

The European Union
Emissions Trading System
(EU ETS) will be improved
and tightened, assisting in
ensuring effort sharing with
important objectives

Additional regulations

will facilitate the

introduction of

carbon prices

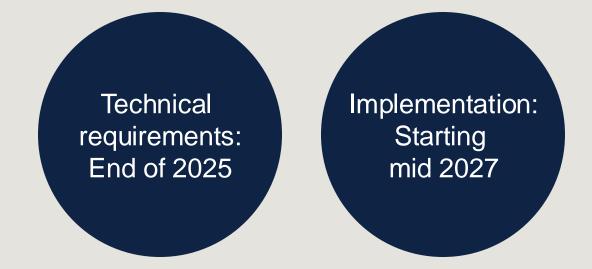


The passport

DPP

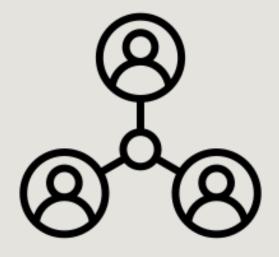
Digital Product Passport is a tool for **collecting and sharing product data** throughout its **entire lifecycle** used to illustrate a product's **sustainability**, **environmental and recyclability** attributes.

Digital twin of a physical product.





Stakeholders



In value chain

- Customers
- Manufacturers
- Importers
- Distributors
- Repairers
- Remanufacturers
- Recyclers

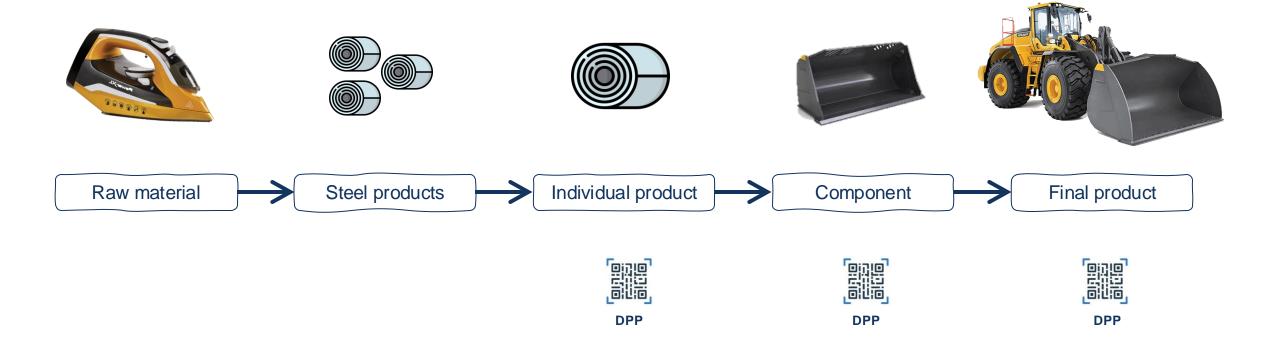
Outside value chain

- Market surveillance authorities
- Customs authorities
- Civil society organizations
- Trade unions
- European Commission



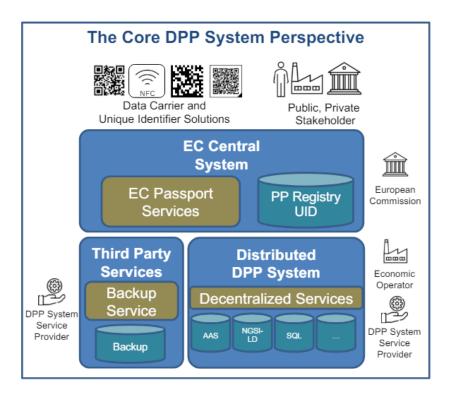
The pilot

From raw material to wheel loader



Understanding the model

Need for decentralization and federated models to benefit from a digitalized ecosystem while protecting against a centralized digital platform owned by a dominant player, incumbents must realize a shared digital backbone for the circular economy



European Commission and National Authorities

(e.g. Market Surveillance)

Economic Operators, brings products on the market

(e.g. manufacturers, importers)

DPP System and Service Providers

(e.g. for operating services, backup services)

DPP System Component Suppliers

(e.g. for Data Carrier)

Partners in the value chain (e.g. supplier, dealer, recycler)

to know how data has to be provided, how to get access

Standardisation Bodies

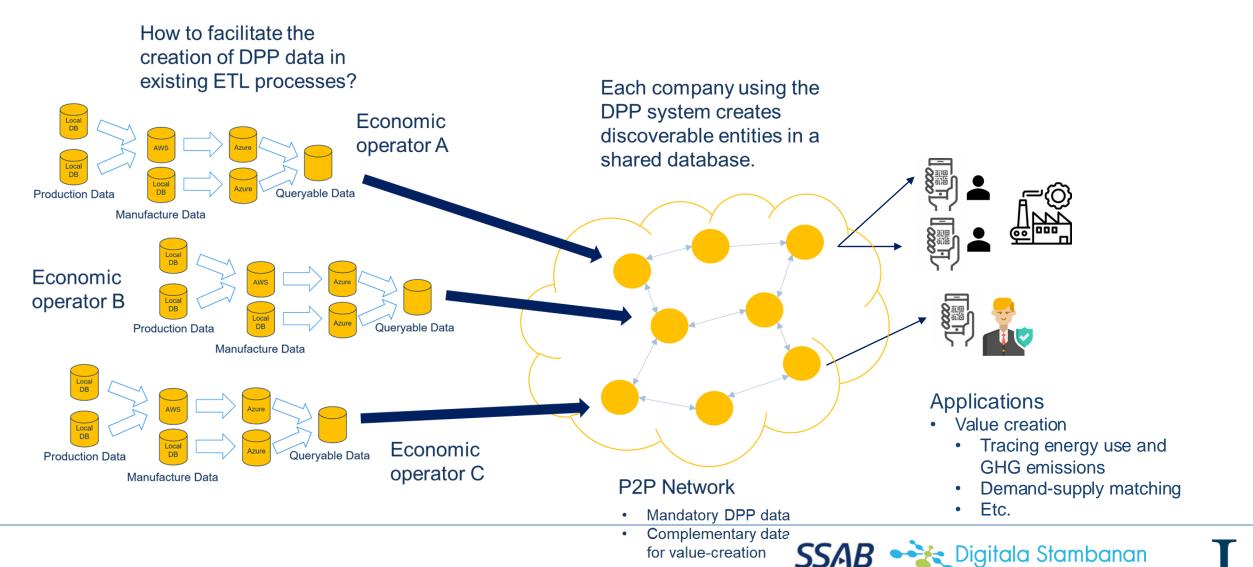
(e.g. for sector specific data standardisation)

Consumer Organisations

to ensure applicability of DPP



Understanding the dataflow



Construction Equipment

OF TECHNOLOGY

Identifying the data pain points

- 1. Data quality and representation
- 2. Data and system validation
- 3. Supply chain info
- 4. Value chain needs and expectations
- 5. Reporting level
- 6. Intellectual Properties and IP protection

- 7. Own use of data
- 8. Third-party use of data
- 9. Public benchmark portal
- 10. Use Experience
- 11. Resources
- 12. Implementation time





DPP

- Levels the playing field
- Build consumer trust
- Drives sustainability
- Gives new business





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Emission Eliminator



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https://www.xing.com/profile/Johan_Anderson2/cv

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