

EANDOX

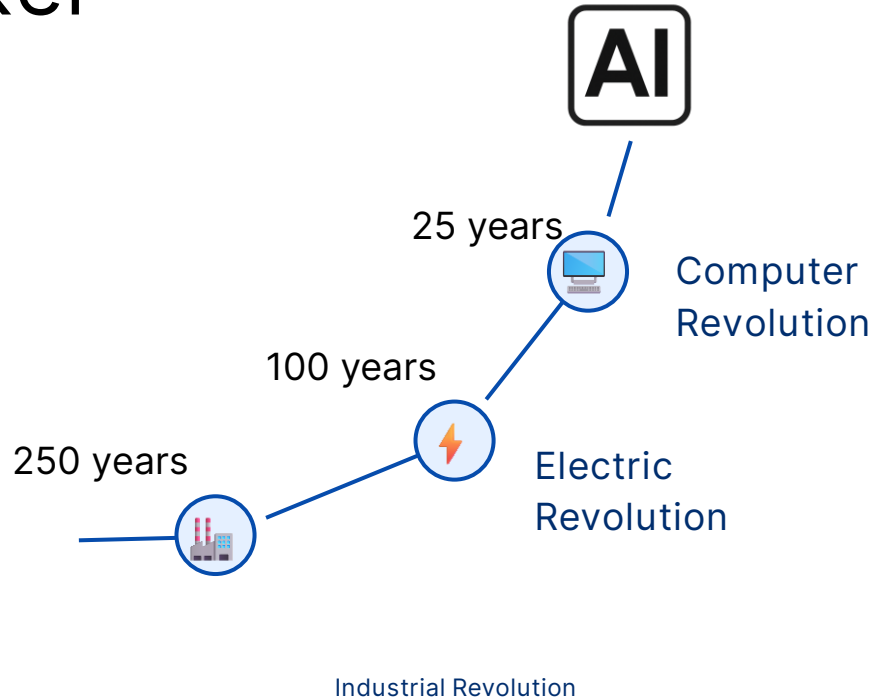
EPD



THE INDUSTRIAL REVOLUTION



Things are changing so much quicker



What is needed for a revolution?



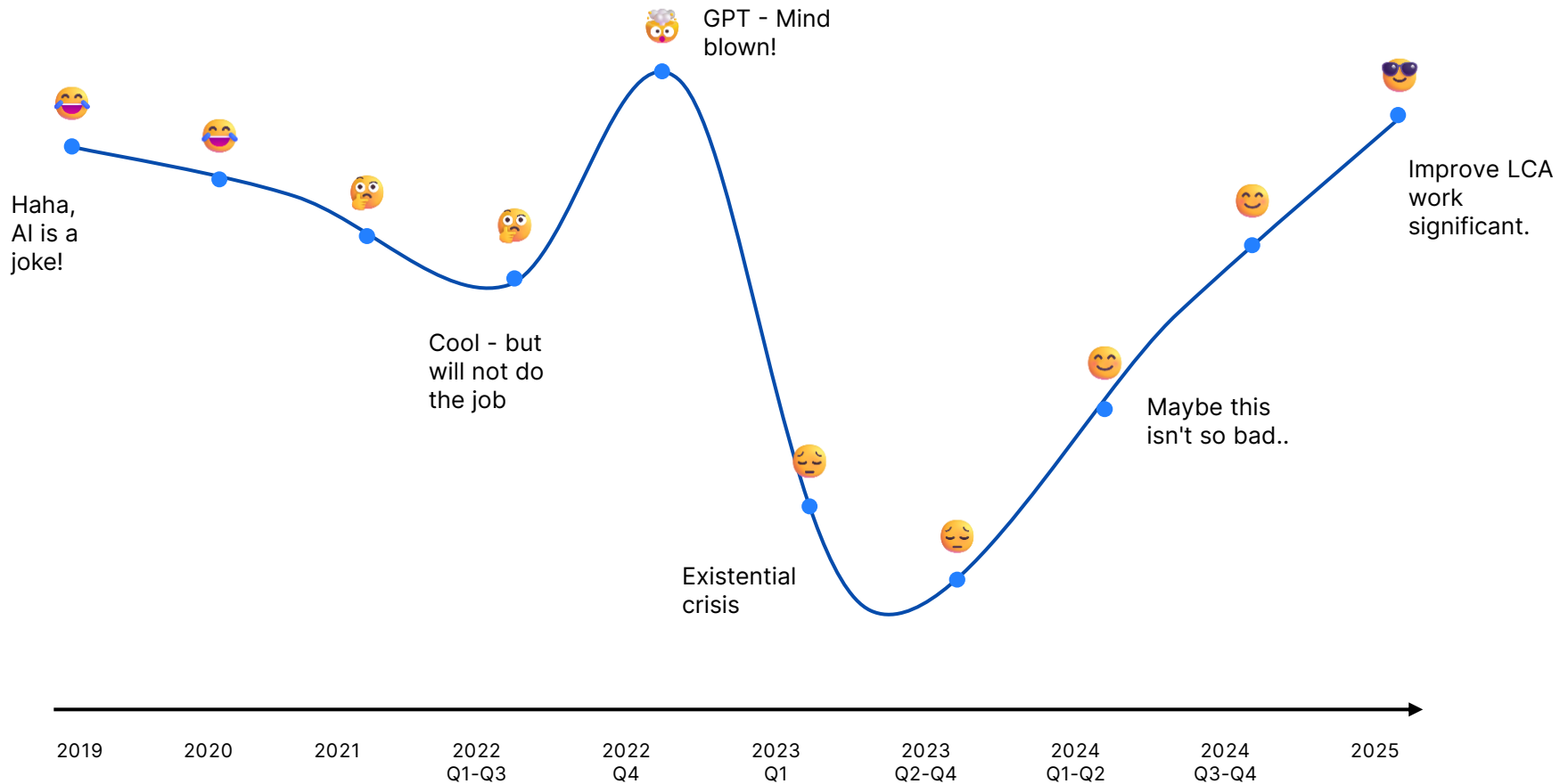
Facing a global issue



Technology outperforms
individual humans.

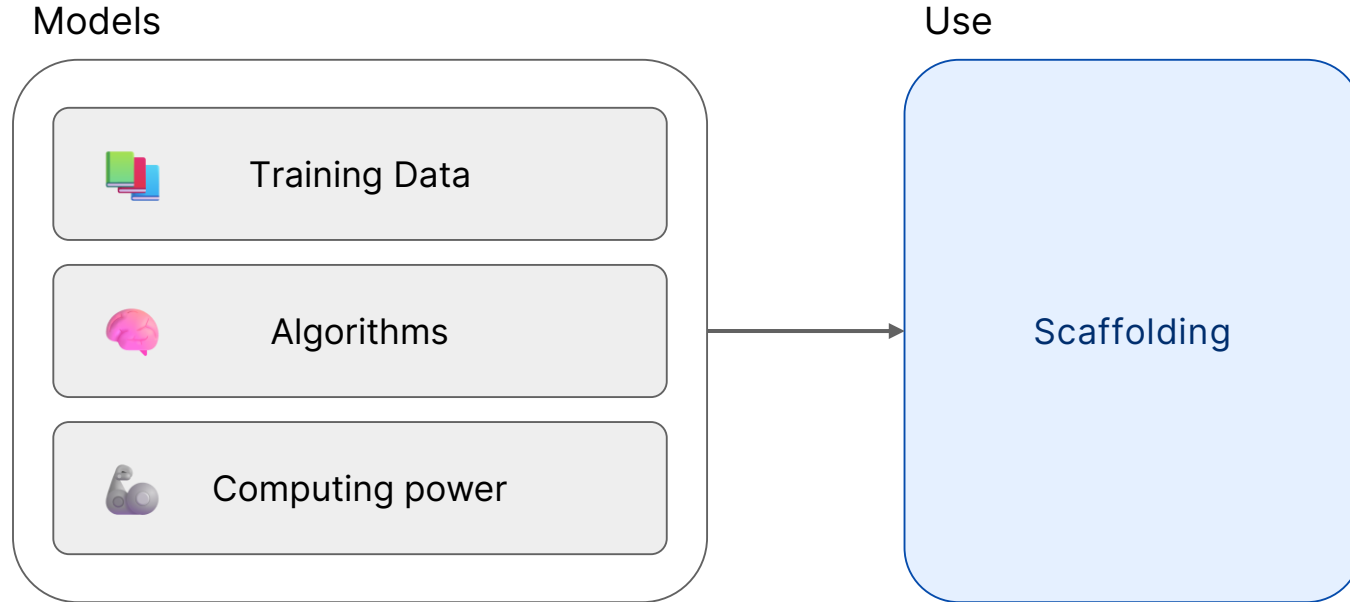


Change is not an
option



Artificial Intelligence is when machines or computer programs are designed to think and learn like humans.

AI models



Enable to -Make a choice



Environmental Product Declaration

EPD PLATFORM
EPD
VERIFIED

In accordance with ISO 14025 and EN 15804:2012+A2:2019 for:

Product Title
from
Company Name

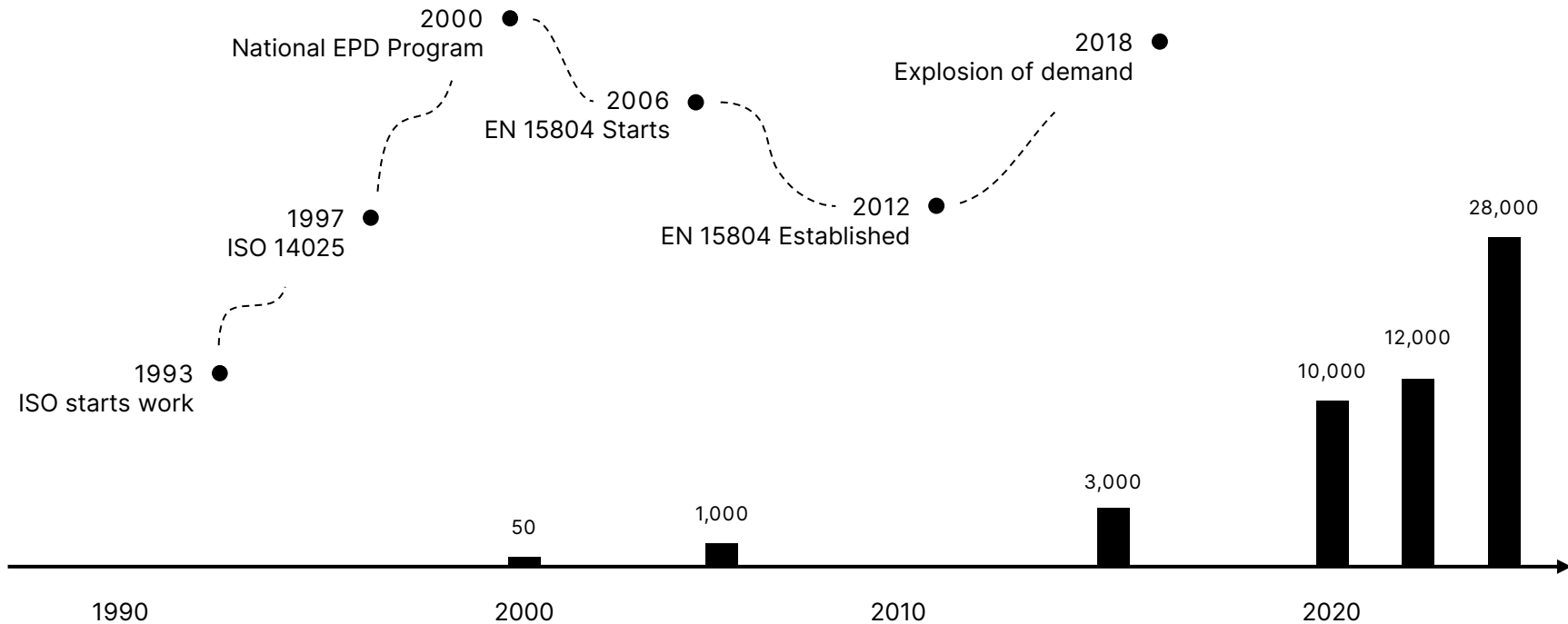
Programme
Programme operator
EPD registration number
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Valid until

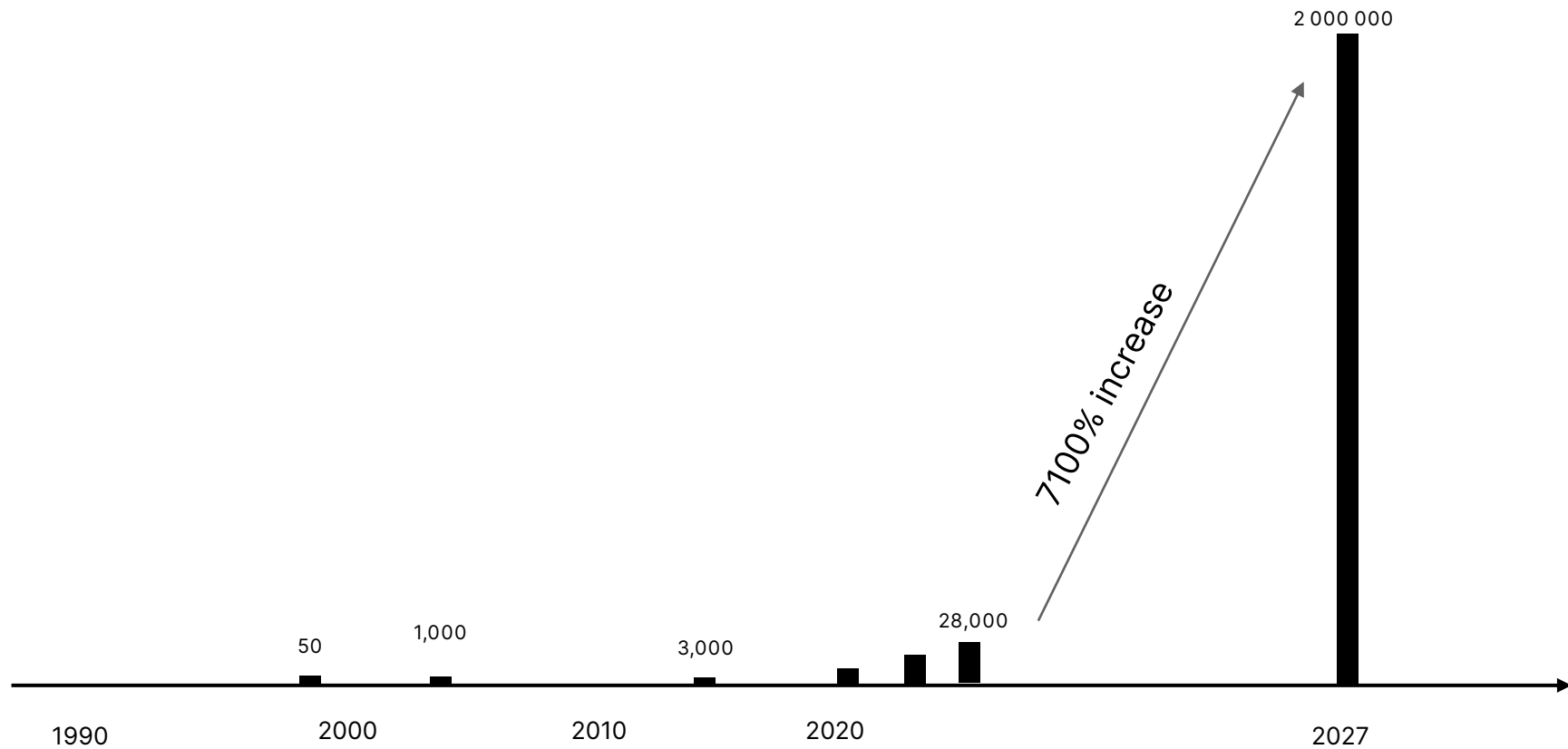
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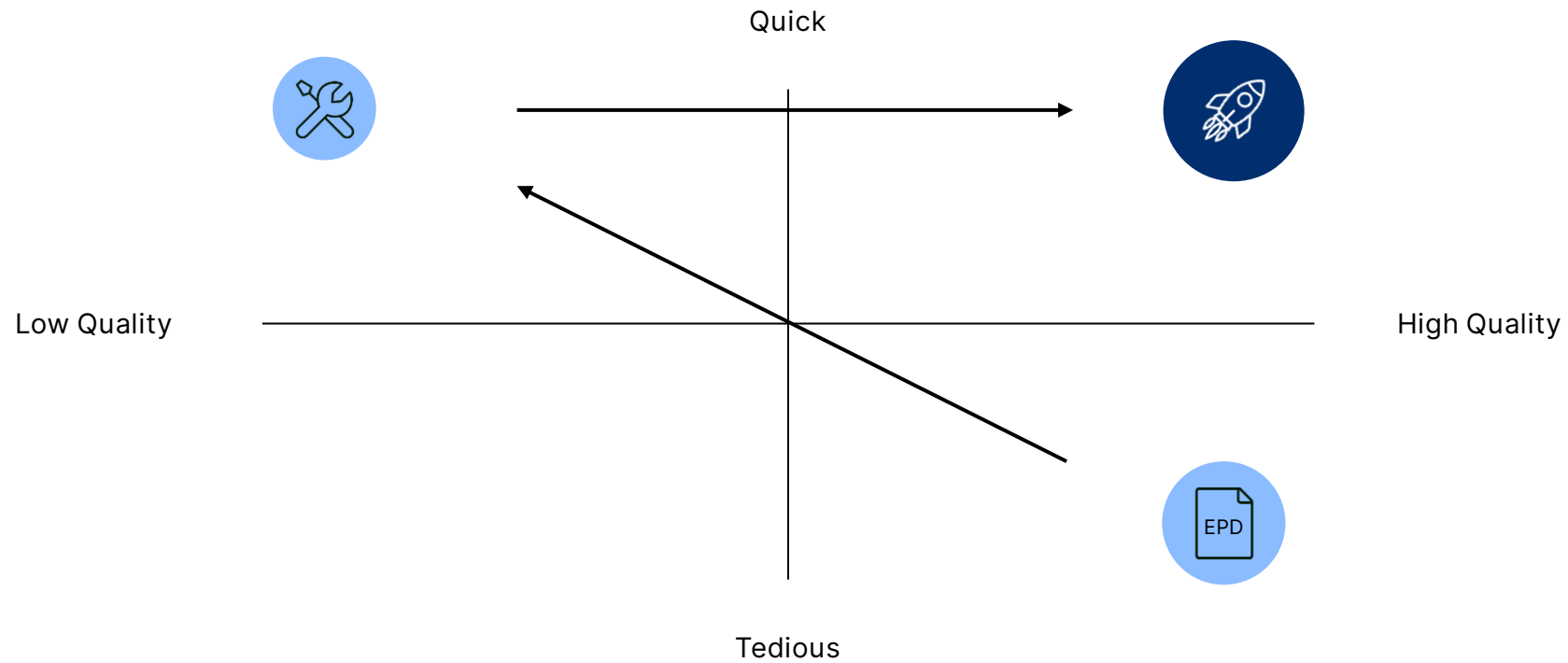
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Data empowers sustainable choices. Choices shape our climate.







AI ❤️ EPD

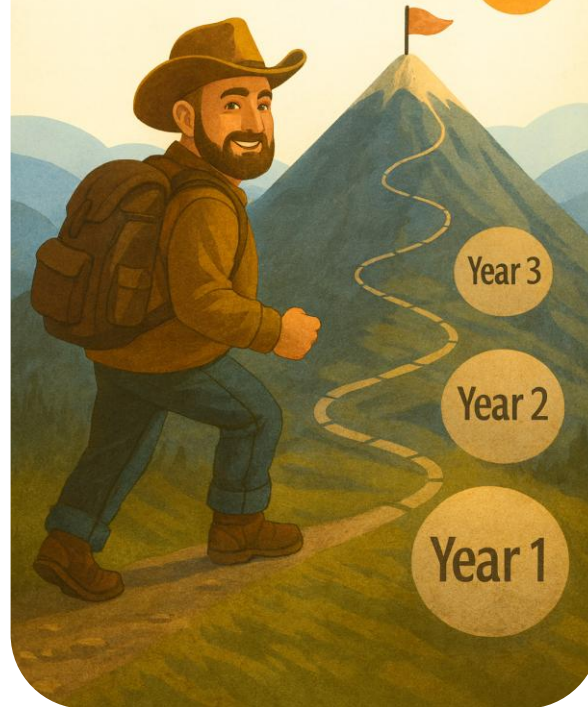
Will AI replace us?



~~Will AI replace us?~~ It will enhance us!



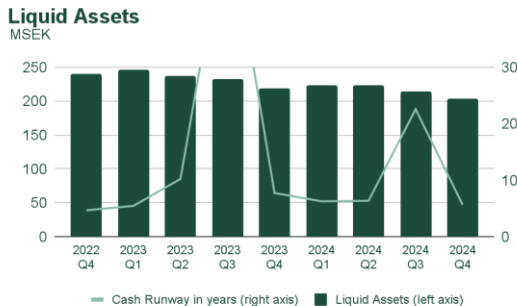
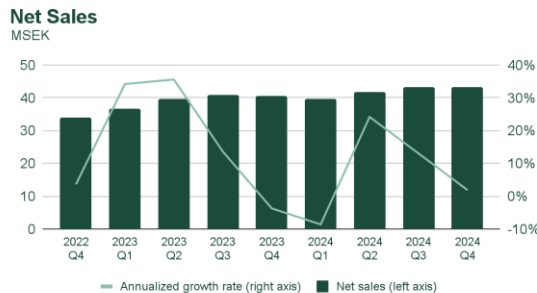
My Journey to AI and EPD



BIMobject Group

A world leading Platform as a Service (PaaS) provider making the building industry smarter, faster, and greener by connecting building projects with reliable product information

- Established 2011
- HQ in i Malmö, Sweden
- 160+ Employees
- Local staff in 10+ markets
- Listed on First North Sweden
- Lead investor: EQT Ventures



The Team



Daniel Olausson



Martin Erlandsson



Max Parkosidis



Mikael Tellhed



Michael Cartner



Anna Palminger

We are
here
today!

Goal to create high quality a EPD in hours



Data collection



Modeling



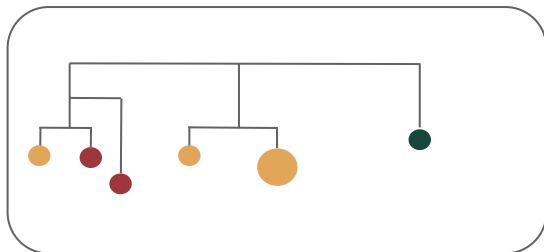
Reporting



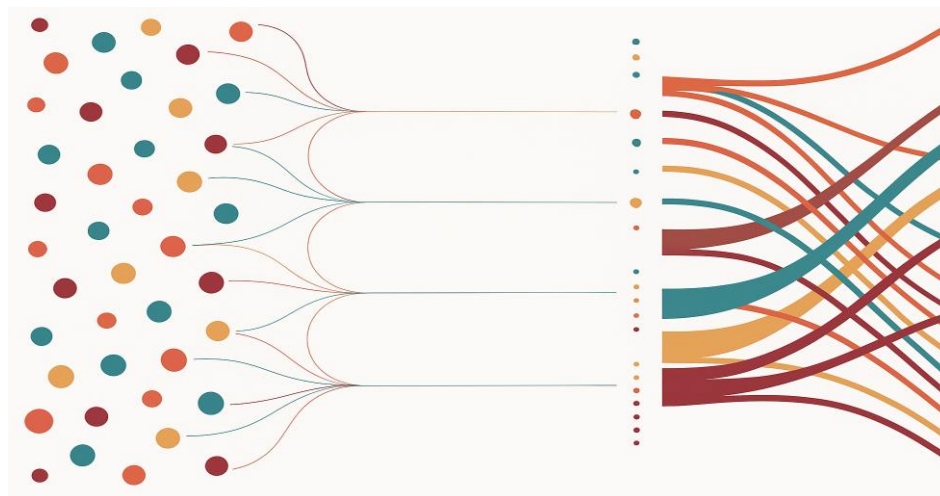
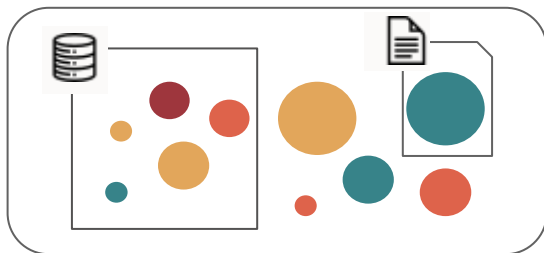
Verification

Stage 1 - Structured data

Structured data



Unstructured data - reality



*Disconnected and hard
to benefit from*

*Contextualized; easy to
access and use*

MCP



Data collection



Modeling

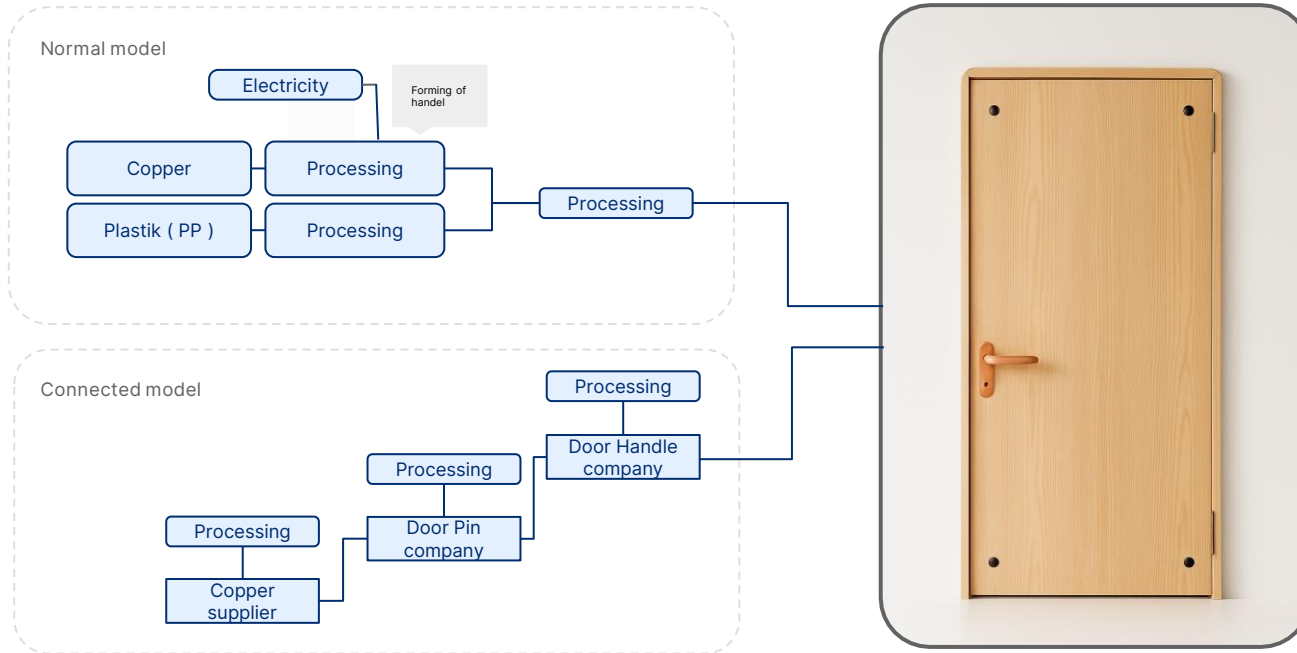


Reporting



Verification

What we wanted to achieve



Model brain

The task is to structure the **collected data** according to defined rules, align it with its intended use, identify errors, and validate the results.



Cognitive part

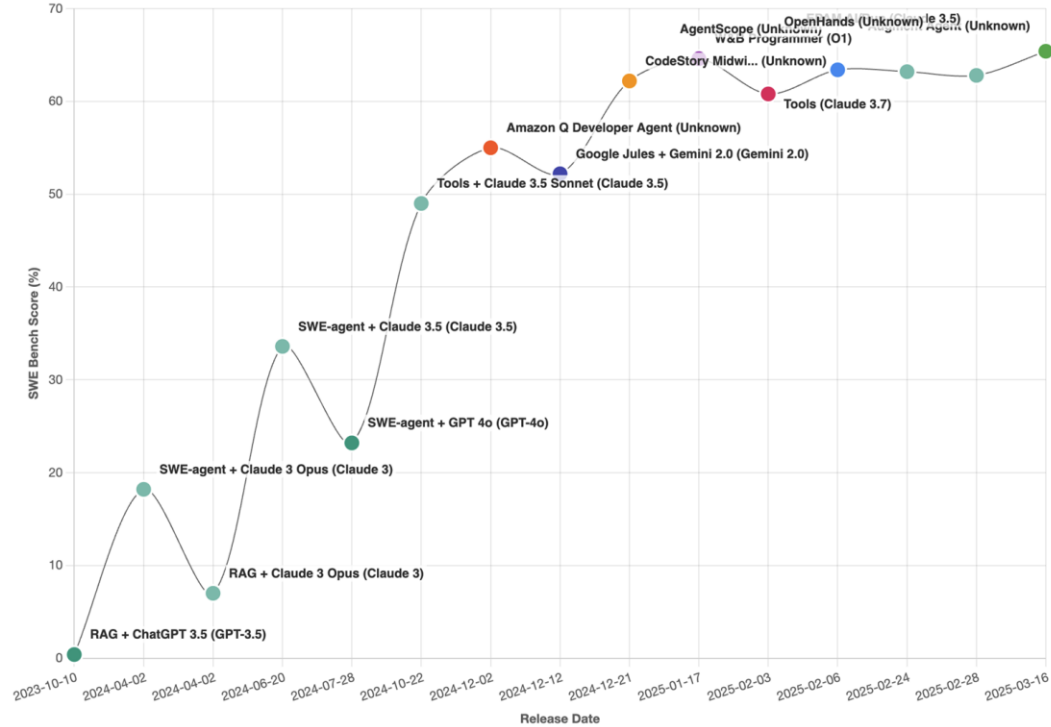
- ISO 14025
- EN 15804
- ISO 21930
- c-pcr

Analytic parts

- ALL EPD's in the world
- PEP's

...Basically all open data...

SWE index



Data sourced from SWE Bench leaderboard. All models shown are verified (✓).

The tools we give developed

- Cognitive understanding on context
- Analytical functions validated through training on relevant standards
- Advanced calculator functionality

Values Used:

Indicator	Module	Value	Source
GWP_GHG	A1-A3	3.82	table p9-t1, cell B2
GWP_Total	A1-A3	3.25	table p7-t1, cell C3
GWP_Biogenic	A1-A3	-0.54	table p7-t1, cell C5

Calculation: Expected $GWP_GHG[A1-A3] = GWP_Total[A1-A3] - GWP_Biogenic[A1-A3]$ Expected $GWP_GHG[A1-A3] = 3.25 - (-0.54)$ Expected $GWP_GHG[A1-A3] = 3.79$

Comparison:

- Reported $GWP_GHG[A1-A3]$: 3.82
- Calculated Expected $GWP_GHG[A1-A3]$: 3.79
- Absolute Difference: 0.03
- Effective Tolerance: 0.05 (max of 0.05 absolute, and 1.0% relative of calculated value if non-zero)

Conclusion: The reported $GWP_GHG[A1-A3]$ (3.82) is considered consistent with the calculated value (3.79). The absolute difference is 0.03, which is within the an effective tolerance of 0.05. The validation is **valid**.



Data collection



Modeling



Reporting



Verification

Generating reports

Environmental Product Declaration

■ ■ ■

In accordance with ISO 14025 and EN 15804:2012+A2:2019 for:

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EPD PLATFORM

EPD

VERIFIED

Programme

Programme operator

EPD registration number

Version date

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EPD International AB

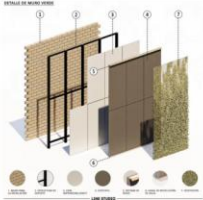
The International EPD® System

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Apr 2023

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Demo account

The chair

2025

SEPTEMBER 11

CarbonZero AB

Authored by: [[author_name]]

CARBONZERO

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Data collection



Modeling



Reporting



Verification



1. Upload EPD & LCAreport

Drag and drop EPD & LCAreport and other documents

2. AI quality checks

Screens for flaws

Verifier checklist, EN 150804 + c-cpr, ISO 21930 + 14025

- Check the structure + context
- Benchmark the value against other sources

3. Submit report

Quick matching



Data collection



Modeling



Reporting



Verification

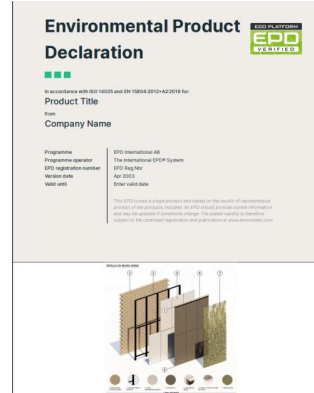
The conclusion



+



+



+



We are a software provider - empowering people to work.





Thank you!