CLIMATE INTELLIGENCE FOR CONSTRUCTION

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11% | of global greenhouse gas emissions come from building materials
- World Green Building Council

€400bn | annual market value when 1 ton of CO_2 is priced in at €100
- Intergovernmental Panel on Climate Change (IPCC)

500k | construction products lacking required environmental data in the European Union
- Institut Bauen und Umwelt e.V.

For the first time in history, material manufacturers are forced to create product-specific, verified environmental data at scale

To remain competitive

„The contract was awarded to another company that was more expensive but could provide EPDs"

- Electronics manufacturer

To stay compliant

Construction Product Regulation (CPR) requiring verified environmental data for every product (September 2024)
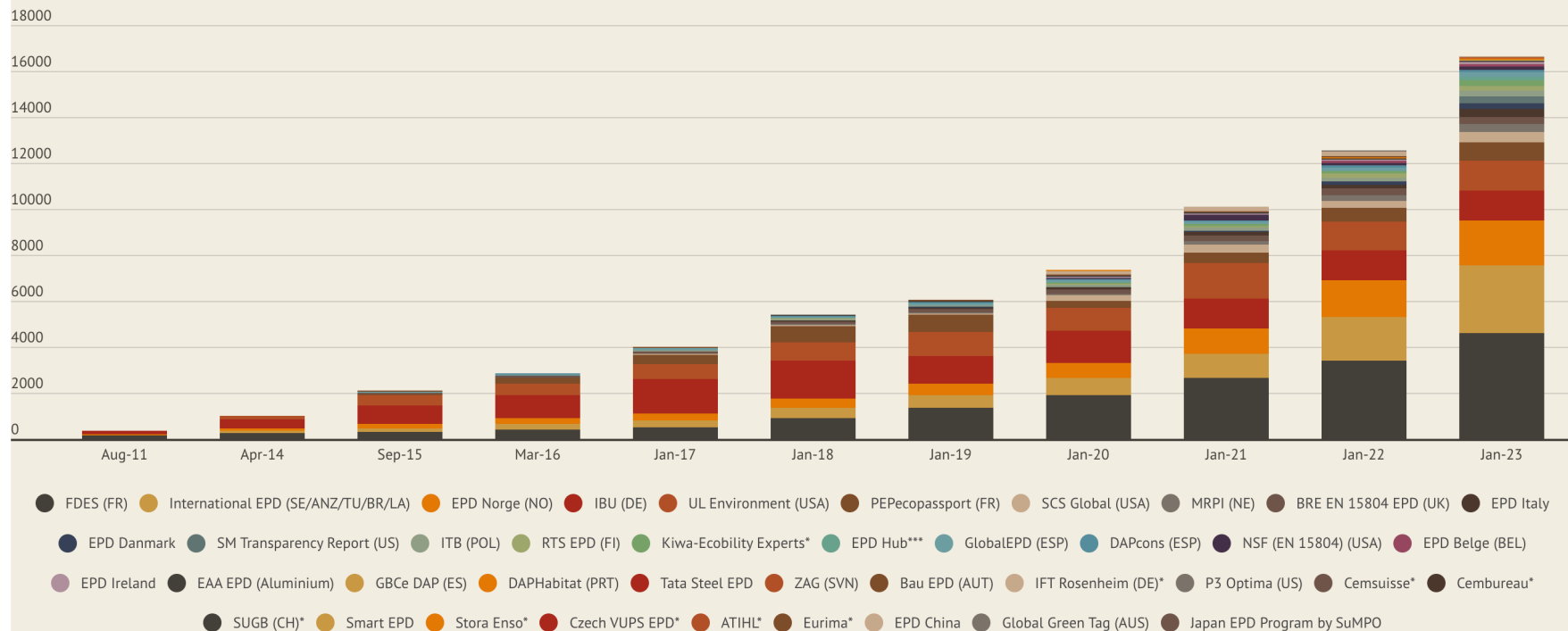
- European Union

Manufacturers currently expect

cost of **€15k/product**

waiting times of **6-12 months**

to create and publish a verified environmental product declaration (EPD)

Growth in numbers of Construction Product EPD to EN 15804

Legend:
- FDES (FR)
- International EPD (SE/ANZ/TU/BR/LA)
- EPD Norge (NO)
- IBU (DE)
- UL Environment (USA)
- PEPecopassport (FR)
- SCS Global (USA)
- MRPI (NE)
- BRE EN 15804 EPD (UK)
- EPD Italy
- EPD Danmark
- SM Transparency Report (US)
- ITB (POL)
- RTS EPD (FI)
- Kiwa-Ecobility Experts*
- EPD Hub***
- GlobalEPD (ESP)
- DAPcons (ESP)
- NSF (EN 15804) (USA)
- EPD Belge (BEL)
- EPD Ireland
- EAA EPD (Aluminium)
- GBCe DAP (ES)
- DAPHabitat (PRT)
- Tata Steel EPD
- ZAG (SVN)
- Bau EPD (AUT)
- IFT Rosenheim (DE)*
- P3 Optima (US)
- Cemsuisse*
- Cembureau*
- SUGB (CH)*
- Smart EPD
- Stora Enso*
- Czech VUPS EPD*
- ATIHL*
- Eurima*
- EPD China
- Global Green Tag (AUS)
- Japan EPD Program by SuMPO

* EPD Programmes not previously surveyed so no data provided before 2019.
** IBU excludes 3014 product EPD published from fully automated verified EPD tools in 2023
Kiwa-Ecobility Experts previously BCS Öko-Garantie (DE)

We are building the leading environmental operating system for construction

Emidat

We make understanding, managing and sharing environmental data easy for manufacturers

Lifecycle Modelling (Step 3 in automized EPD generation)

Simple data collection

Automated bulk uploads, integration in customer ERP systems

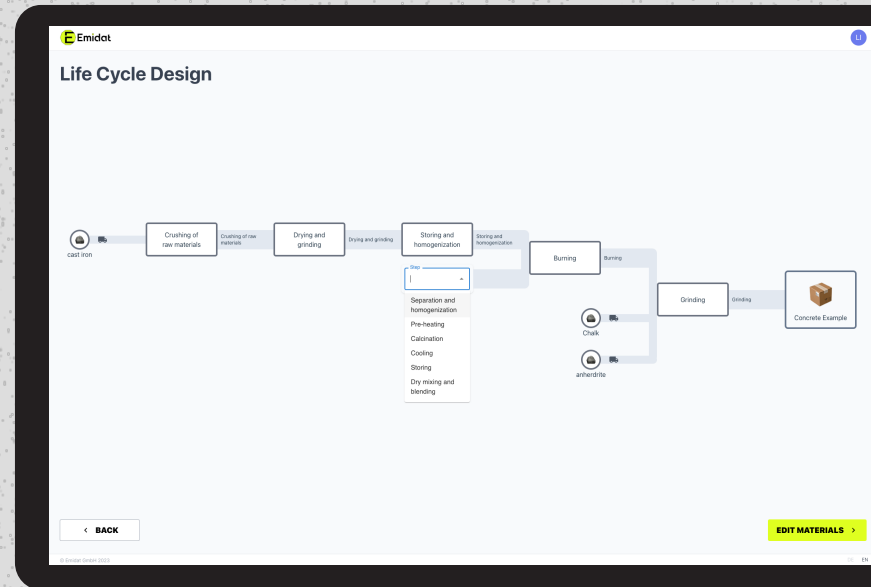### Compliant environmental product declaration (EPD) generation

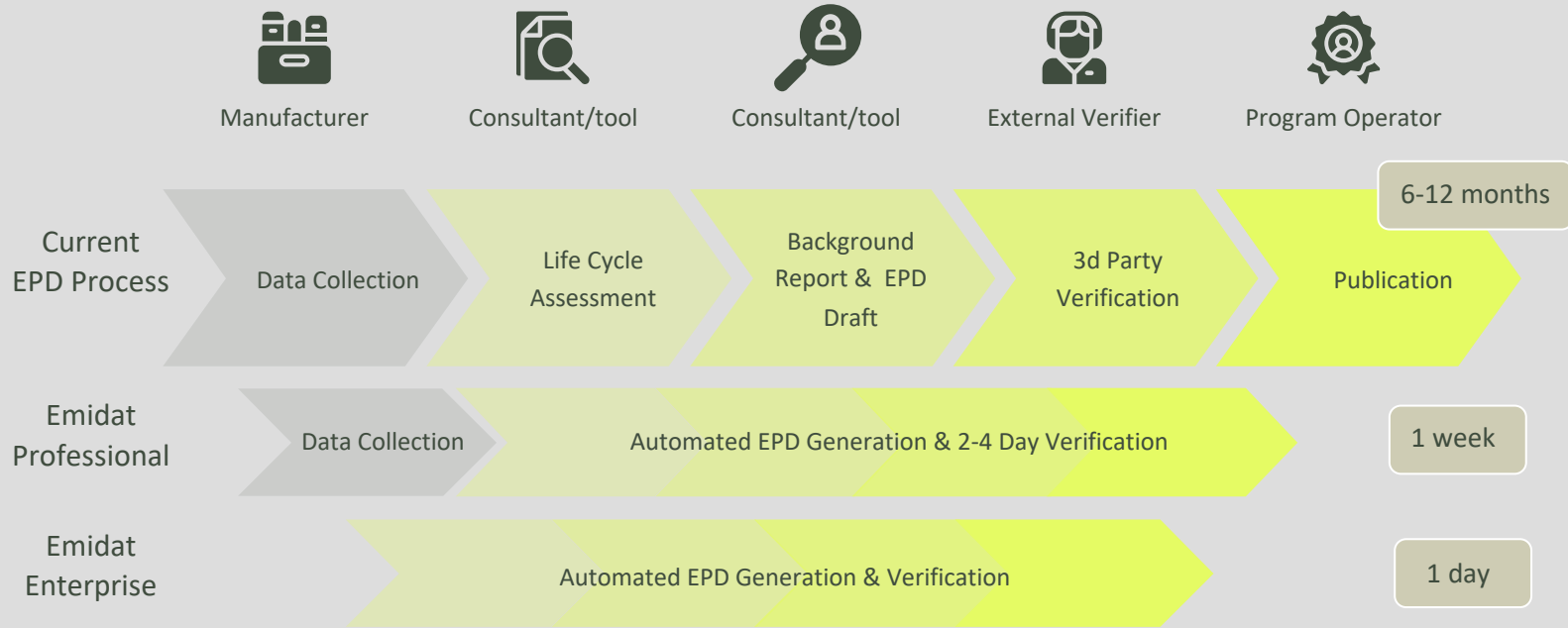LCA and EPD within a few clicks and without experience

Verification and Publication

An independent third party guarantees the accuracy of our output and publishes it
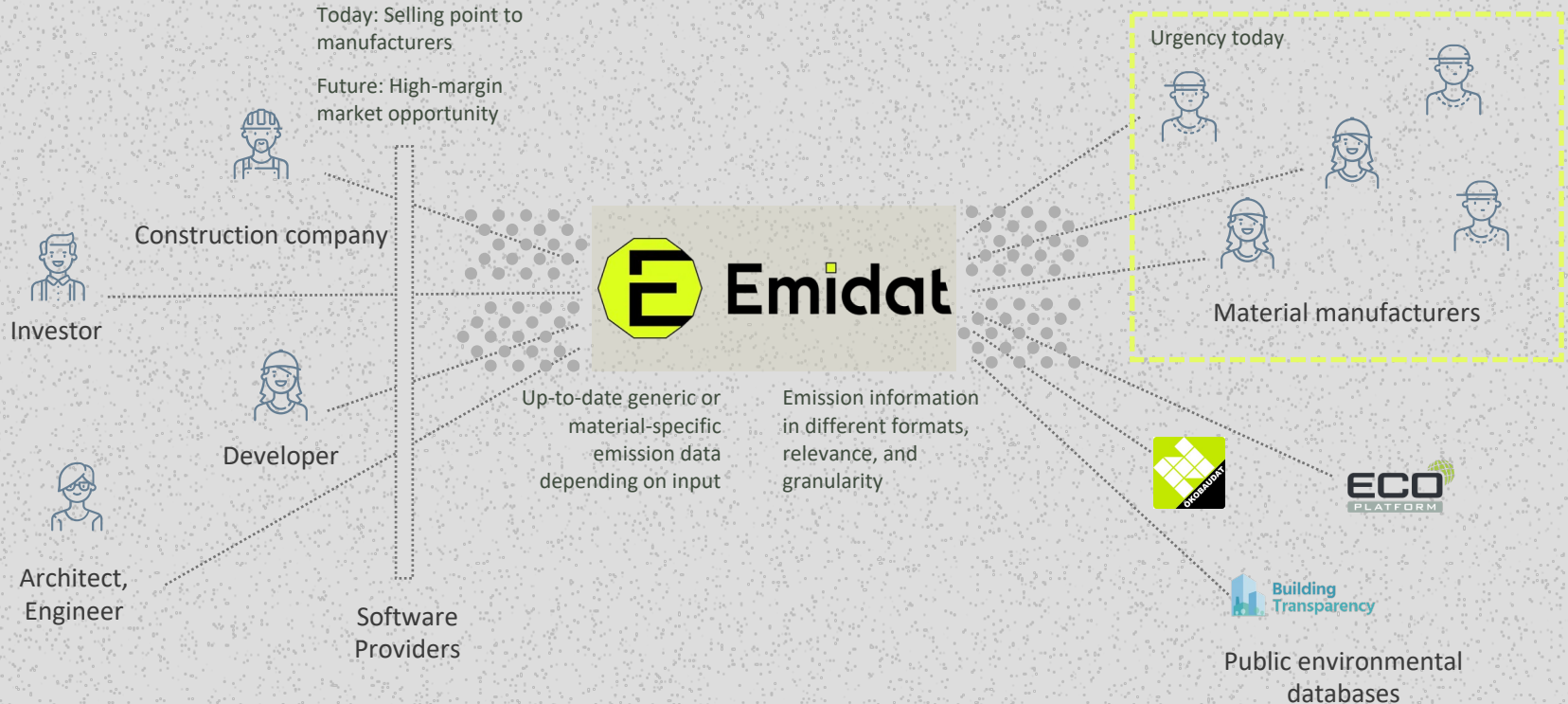
Manufacturers save over 70% of time and cost when working with Emidat

	Manufacturer	Consultant/tool	Consultant/tool	External Verifier	Program Operator

Current EPD Process

Data Collection → Life Cycle Assessment → Background Report & EPD Draft → 3d Party Verification → Publication   **6-12 months**

Emidat Professional

Data Collection → Automated EPD Generation & 2-4 Day Verification   **1 week**

Emidat Enterprise

Automated EPD Generation & Verification   **1 day**

We monetize first with material manufacturers due to their immediate need and willingness to pay

Today: Selling point to manufacturers

Future: High-margin market opportunity

Urgency today

Construction company

Investor

Developer

Architect, Engineer

Software Providers

Emidat

Up-to-date generic or material-specific emission data depending on input

Emission information in different formats, relevance, and granularity

Material manufacturers

ÖKOBAUDAT

ECO PLATFORM

Building Transparency

Public environmental databases

We combine experience in life cycle analysis, data, AI and construction

BUSINESS INSIDER — "Rising star in prop-tech"

\sifted/ backed by FT FINANCIAL TIMES — "Startup investors are betting on"

GRÜNDUNGS WETTBEWERB DIGITALE INNOVATIONEN — "Winner of awards for innovation and energy efficiency"

Past experience from some of the world's most prestigious institutions

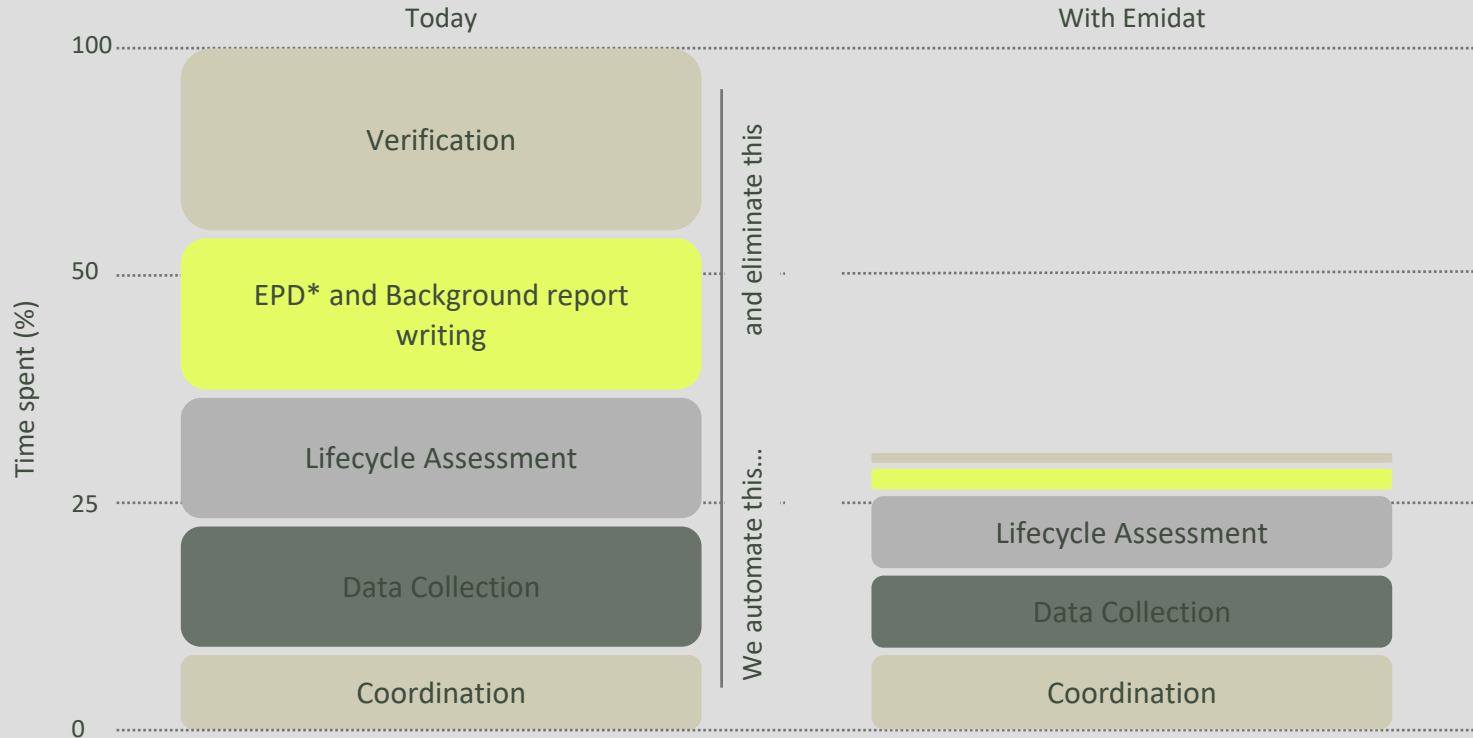# BUILDING A CLIMATE-POSITIVE CONSTRUCTION INDUSTRY

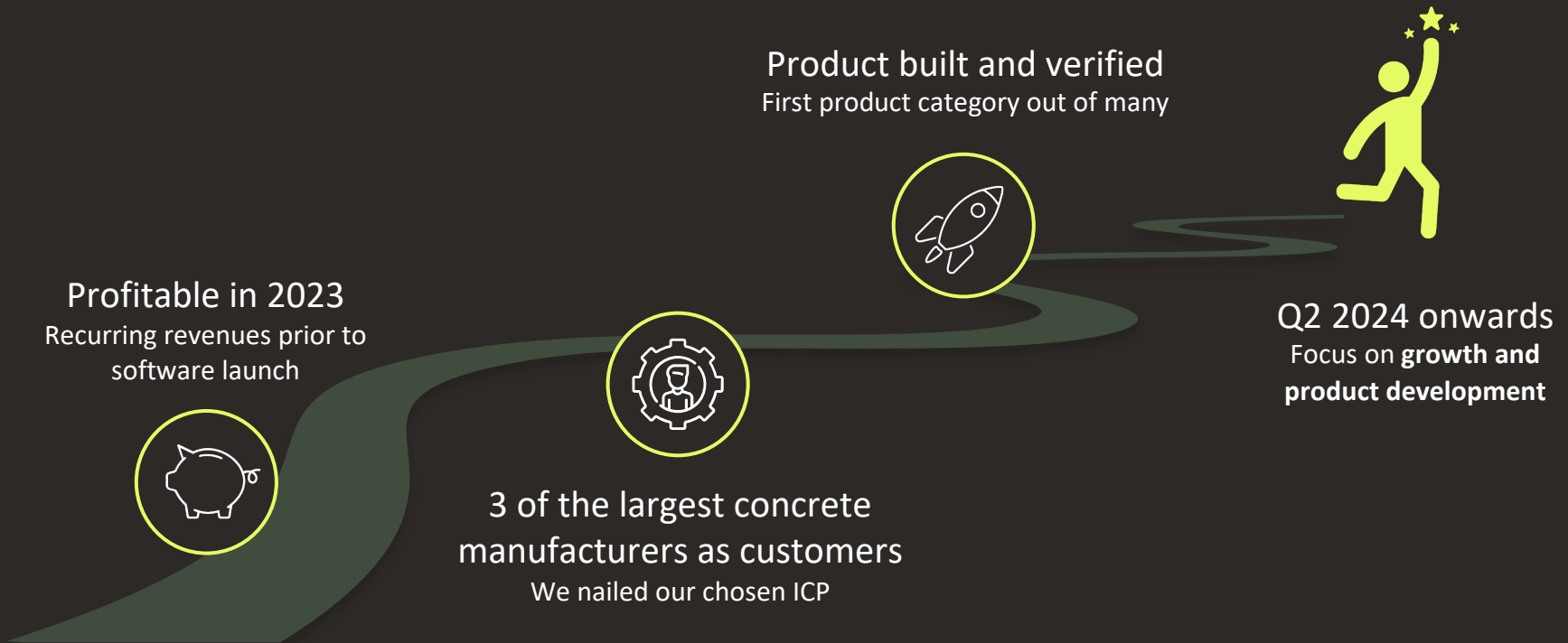Reach out to get a free consultation on your LCAs and EPDs!

lisa@emidat.com

Appendix

Manufacturers save over 70% of time and cost when working with Emidat

Today

With Emidat

100

Verification

50

EPD* and Background report writing

Lifecycle Assessment

25

Data Collection

Coordination

0

Time spent (%)

and eliminate this

We automate this...

Lifecycle Assessment

Data Collection

Coordination

* Environmental Product Declaration

Emidat is built to be scaled without LCA expertise across different geographies and product categories

	Emidat	sphera	climate earth	One Click LCA
Data collection automation	High	Low	Mid	Low
Product agnostic	✓	✓	✗ Concrete only	✓
One license - unlimited EPDs	✓	✗	✗ Full plant only	✗
Instant verification	✓	✗	✓	✗
Easy to use for non-LCA-experts	✓	✗	✗	✗
Pre-verified by	Institut Bauen und Umwelt e.V. / epd-norge EPD	✗	Institut Bauen und Umwelt e.V.	EPD

Key differentiators are our high degree of automation and immediate verification

High degree of Automation

Low degree of Automation

Data use not considered

Verified EPD output

Emidat

One Click LCA

LCA .no

gc ca

climate earth

sphera®