PARIS CARBON EXPERTS SUMMIT 2025

CONFIDENTIAL

Agenda

All together now – One Click LCA & SimaPro

Delivering LCAs at scale for construction and manufacturing

Managing and utilizing LCAs at scale

Going deeper – SimaPro and ENVI-met

ALL TOGETHER NOW

World's #1 AI-powered LCA platform for every industry

We work towards powering a million makers of a zero-carbon future by 2035

9 of 10
TOP CONSULTANTS[1]

10 of 10
TOP ARCHITECTS

9 of 10
TOP CONSTRUCTION MFG

5 of 5
TOP CONSUMER GOODS

4 of 5
TOP ENGINEERING

4 of 5
TOP CHEMICALS

500,000+
LCA DATASETS[2]

5,000+
CUSTOMERS

10 M€+
ANNUALLY TO R&D

170+
COUNTRIES USING

140+
STANDARDS/METHODS[2]

★★★★½
G2 RATING: 4.7

Products

One Click LCA, SimaPro, ENVI-MET

Partnerships

AUTODESK, Bentley, DASSAULT SYSTEMES

Memberships

Life Cycle Initiative, World Green Building Council, wbcsd

Certifications

ISO, CEN, ISO 27001, AICPA SOC

1) Sources: Environment Analyst, Architecture Quote, Statista, Consumer Goods Tech, Fortune Global 500. All for OECD, 2) see oneclicklca.com and simapro.com. OCL database: 500k+, SimaPro: ~250k.

Best-in class LCA software, data and services

Together, we power the makers of a zero-carbon future in every industry

CONSTRUCTION PRODUCTS

GEBERIT, Kingspan, KNAUF, CRH, LafargeHolcim, Steelcase, BOON EDAM, etex, FREYSSINET, SAINT-GOBAIN, ArcelorMittal, SSAB, inwido, HUNTSMAN

CHEMICALS & ENGINEERING

ABB, Bekaert, ExxonMobil, RECTICEL, Valmet, TCS TATA CONSULTANCY SERVICES, SIEMENS, ARISTON

MEP & ELECTRONICS

uponor, Schindler, Halton, SIEMENS energy, Schneider Electric, Swegon, FAGERHULT, FW THORPE PLC, ENSTO, GENUIT GROUP, PURE DC, legrand, AIRAM

CONSUMER GOODS & AGRIFOOD

P&G, Luke NATURAL RESOURCES INSTITUTE FINLAND, Hankkija, Fresh Produce Centre, H&M, Haifa, AgroFair, GREENHOUSE Sustainability, Cascale, DSM, Nomad Foods, Royal Flora Holland, trouw nutrition a Nutreco company, FrieslandCampina

CONSTRUCTION & DESIGN

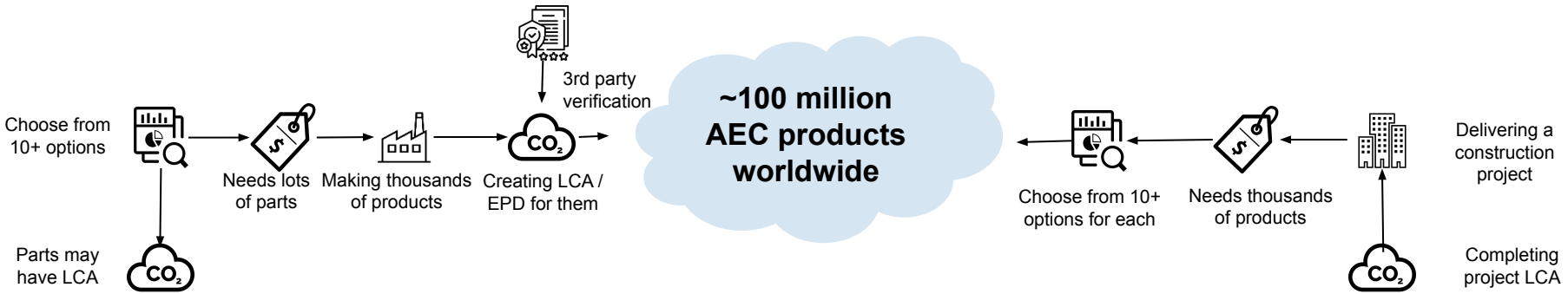
Balfour Beatty, BUROHAPPOLD ENGINEERING, RAMBOLL, SWECO, VINCI, BOUYGUES CONSTRUCTION, NCC, SKANSKA, Foster + Partners, Beca, acciona, ARCADIS, JLL, WSP, DB, bam, Haskoning Enhancing Society Together

CONSULTING & SERVICES

eurofins, SLR, BUREAU VERITAS, European Commission, Granlund, UNEP, Jacobs, AtkinsRéalis, World Business Council for Sustainable Development, atelier ten, tacton, mace, UNIDO

The supply chain from parts to products to projects is a vast one

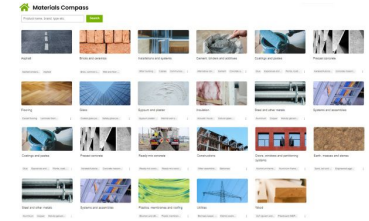
To service this, the world has some 20 000 LCA practitioners and well below 1 000 EPD verifiers



~10 million suppliers making parts

~25 million AEC professionals

This requires scaling and managing data flow across the industry



Discovery & distribution

~100 million AEC products worldwide

Choose from 10+ options

Needs lots of parts

Making thousands of products

3rd party verification

Creating LCA / EPD for them

Parts may have LCA

Choose from 10+ options for each

Needs thousands of products

Delivering a construction project

Completing project LCA

LCA / EPD software

~10 million suppliers making parts

DASSAULT SYSTEMES

ORACLE

ptc

SAP

AUTODESK

Trimble

NEMETSCHEK

Bentley

~25 million AEC professionals

AI and automation

Together, we help customers scale & manage LCA cross industries

Our combined platform allows you to go both deeper and faster

Go deeper

Go faster

LCA FOR BUSINESS

Focus on users & usability
Technology leader
Focus on AEC & manufacturing
Deep industry integrations
Global supplier database

LCA FOR EXPERTS

Focus on science & data
Transparency leader
Sector-agnostic platform
Deep LCA inventories
Can model anything

What does this mean for you?

One Click LCA

Ability to model anything in any sector

Support for ESPR and other regulations

Ability to access data at an inventory level

SimaPro

Higher investment in SimaPro and services

Access to more data & supplier specific datasets

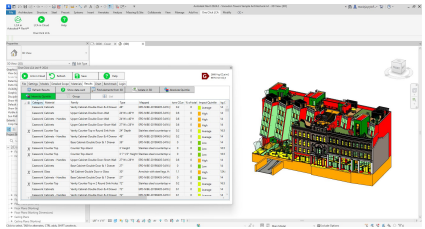
Automation, analytics and other capabilities

SCALING UP LCA FOR CONSTRUCTION

Integrated platform for a seamless end to end flow of LCA data

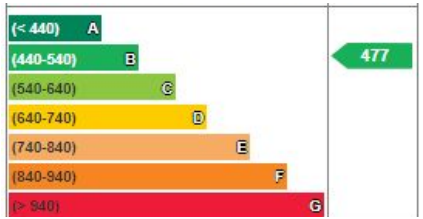
CREATION

Data collection & LCA automation



ECODESIGN

Finding better designs & products

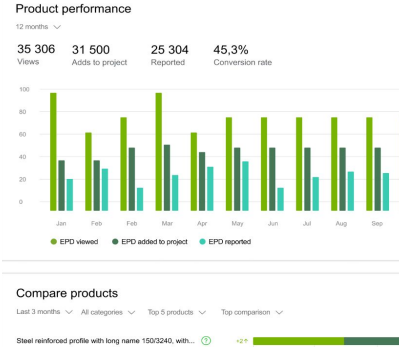


COMPLIANCE

Carbon, LCA, circuralrity, biodiversity

ANALYTICS

Understand your results & impact

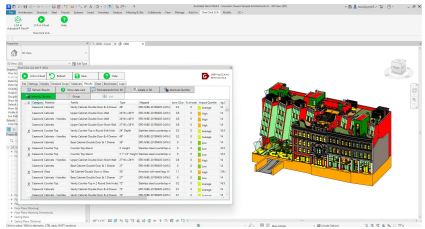


Integrated platform for LCA helps you run a better business

Lower costs

CREATION

Data collection & LCA automation



ECODESIGN

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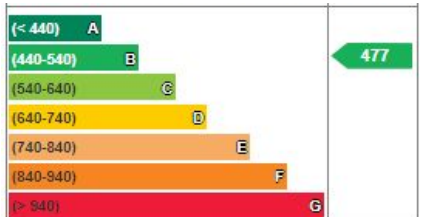


Higher revenue

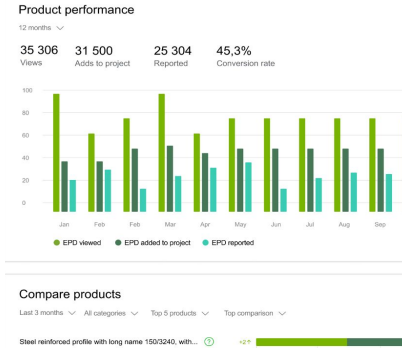
COMPLIANCE

Carbon, LCA, circularity, biodiversity

Intelligence for improvement

ANALYTICS

Understand your results & impact



All the world's LCA data integrated – over half a million datasets

EPDS FROM 60+ SOURCES

LCI DATABASES

ecoinvent
CEPE
Nationale MilieuDATABASE
PLASTICS EUROPE
Enabling a sustainable future
FEDERAL LCA COMMONS
worldsteel ASSOCIATION
AusLCI
carbonminds
UVEK, Mobitool, ProBas *

*Expected during 2025

REGULATORY & COMPLIANCE

Boverket
seai SUSTAINABLE ENERGY AUTHORITY OF IRELAND
Bundesministerium für Wohnen, Stadtentwicklung und Bauwesen
BRANZ
RICS
CLF Carbon Leadership Forum
HMS
EHEA
inies
NABERS
NACHHALTIGES GEBÄUDE
bre

PROPRIETARY DATASETS

- Construction & industrial data
- Utility profiles
- Assemblies

One Click LCA

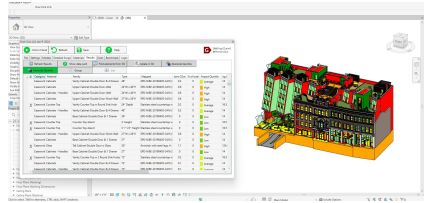
DIRECT MANUFACTURER DATA

Schneider Electric
ABB
TRIDONIC
legrand
MITSUBISHI ELECTRIC
DAIKIN
SIEMENS
CIBSE

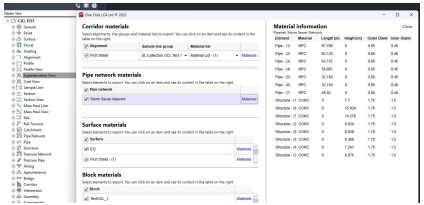
Source: https://oneclicklca.com/why-us/capabilities/global-lca-data

Lots of improvements in integrations, and a couple of new ones

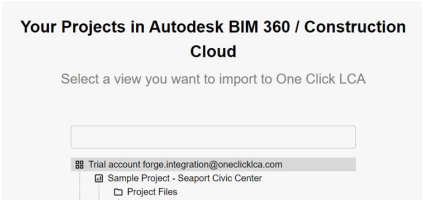
Autodesk Revit
LCA inside Revit (two-way) - plugin



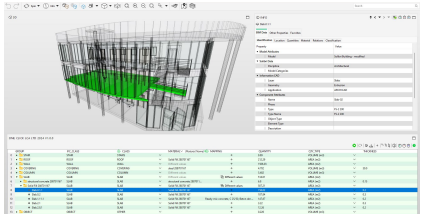
Autodesk Civil3D
Infrastructure LCA - plugin



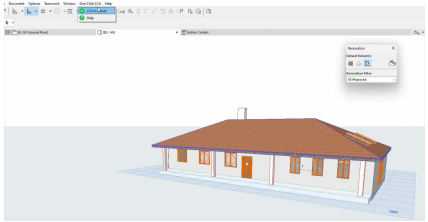
Autodesk BIM360/ACC
Import data from cloud services



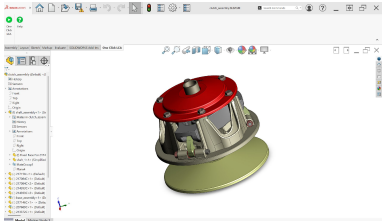
Solibri
Federate IFC files for the LCA



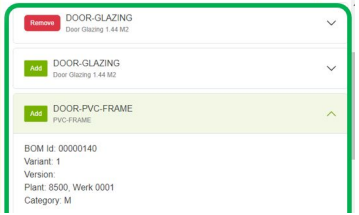
Archicad
Export BOM - plugin



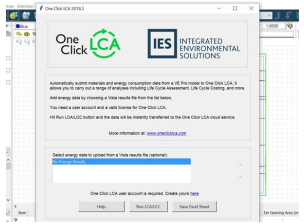
SolidWorks
Plugin



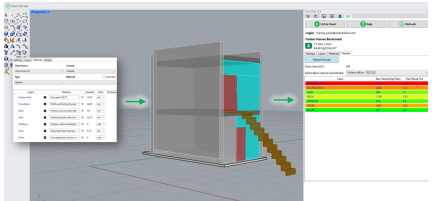
SAP HANA
Extension for BOM



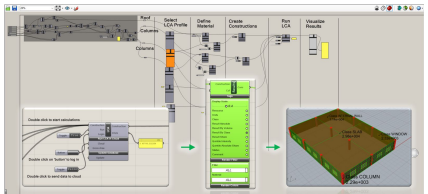
IES-VE
Native integration



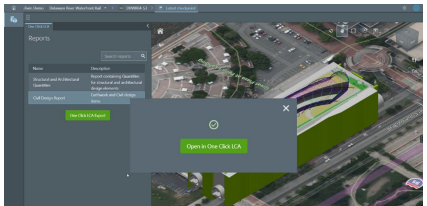
Rhino
LCA inside Rhino (two-way)



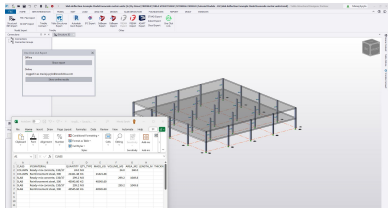
Grasshopper
Parametric LCA capability



Bentley iTwin
Native integration



Tekla Structures
Native integration (also for TSD)



Instant feedback on your LCA, and tools for internal verification

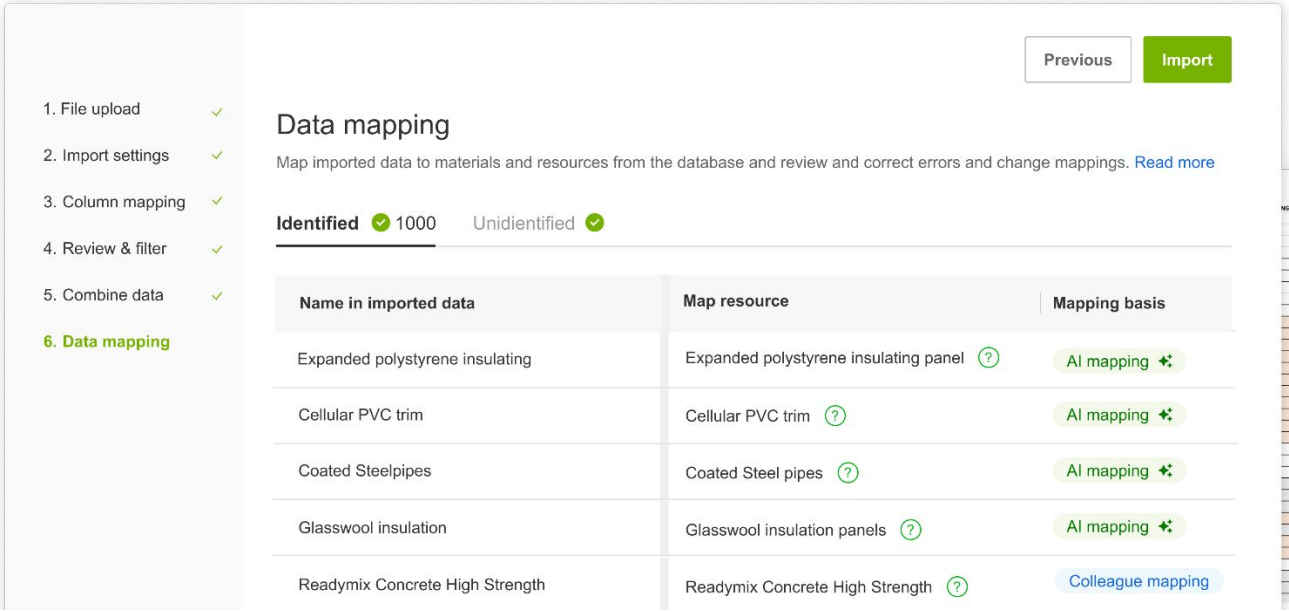
Plausibility Checker for building LCAs

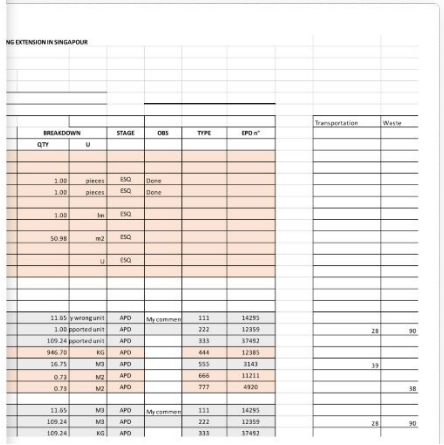
All checks | Check Grade

Check	Check name	Unit	Benchmark values	Project result	Typical range
✓	A1-A3 GWP	kg CO_2e/m^2		353	287 - 621
!	A1-A3 Mass	kg/m^2		960	1181 - 2861
!	Above Ground Building GWP	kg CO_2e/m^2		170	195 - 506
✓	Above Ground Building Mass	kg/m^2		774	496 - 1547
✓	B4-B5 to A1-A3 impact ratio			14	0.22 - 35
!	Building Technology GWP (material subtypes)	kg CO_2e/m^2		0.72	2.2 - 85
!	Building Technology Mass (data input section)	kg/m^2		0.19	0.96 - 19
!	Building Technology Mass (material subtypes)	kg/m^2		0.19	0.78 - 16
✓	CLT GWP	kg CO_2e/m^2		4.2	0.18 - 5.6
✓	CLT Mass	kg/m^2		16	0.14 - 17
✓	Concrete GWP (excluding precast walls)	kg CO_2e/m^2		73	63 - 230
✓	Concrete Mass (excluding precast walls)	kg/m^2		634	611 - 2018
✓	Doors GWP	kg CO_2e/m^2		1.7	0.78 - 8.8
✓	Doors Mass	kg/m^2		1.9	0.36 - 3.7

New, improved data import with AI enhanced data mapping

Flexible workflow and improved AI mapping, reducing unidentified data by up to 10x

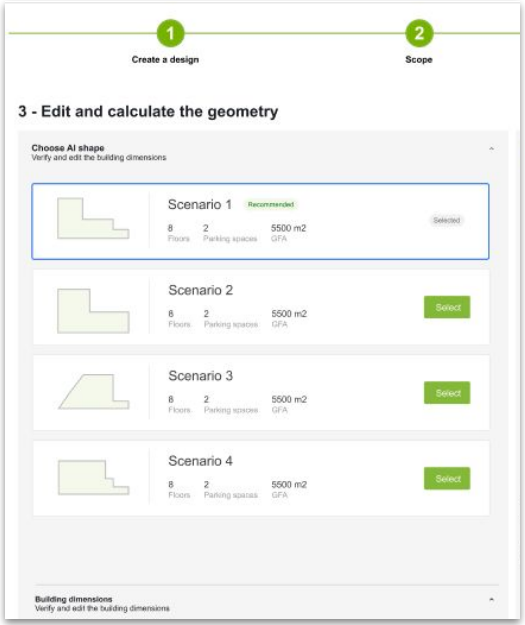




Other recent improvements for construction LCAs

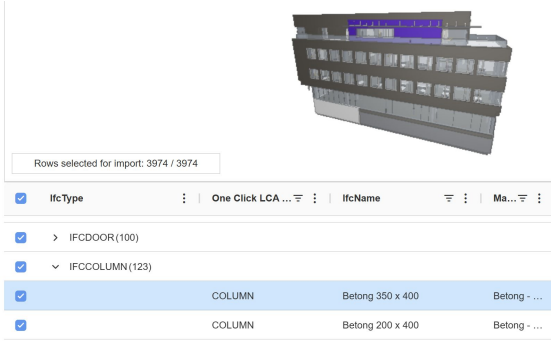
GENERATIVE DESIGN

Generate options automatically



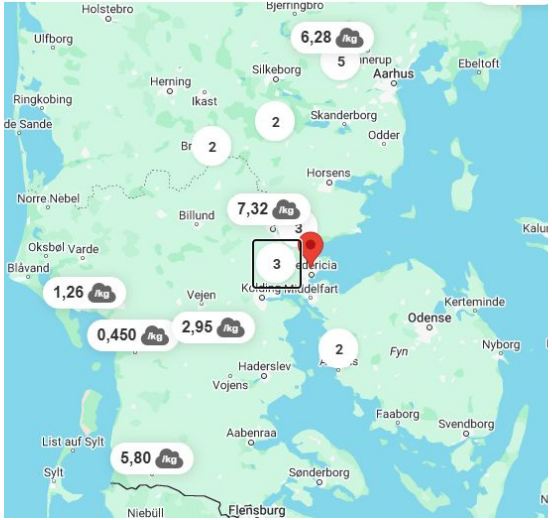
IFC IMPORT & VIEWER

Import and map IFC directly without BIM tools



FIND LOCAL SUPPLIERS

Find products close to your project

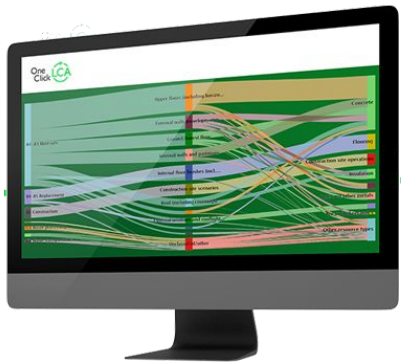


SCALING UP LCA FOR MANUFACTURERS

Integrated platform for a seamless end to end flow of LCA data

CREATION

Data collection & LCA automation



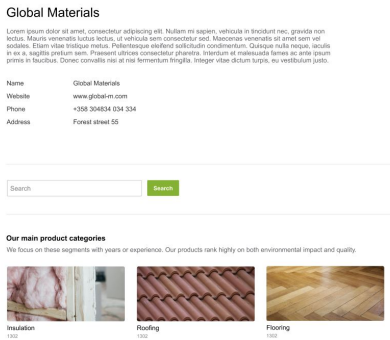
REPORTING

EPD generation & verification support

Environmental Product Declaration
Schindler 9500AE

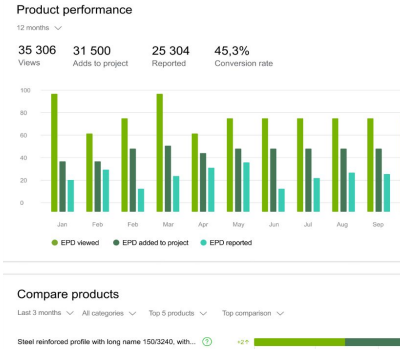
DELIVERY

Pipeline your EPDs to the users



ANALYTICS

Capture your business opportunities

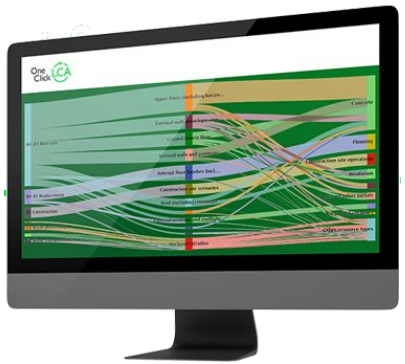


Integrated platform for EPDs helps run a better business

~60 % of the costs

CREATION

Data collection & LCA automation



~40 % of the costs

COMPLIANCE

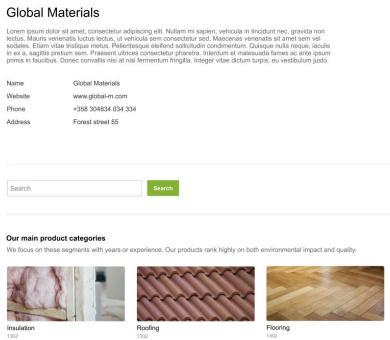
EPD generation & verification

Environmental Product Declaration
Schindler 9500AE

The revenue impact

DELIVERY

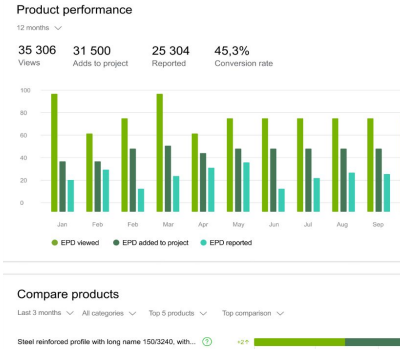
Pipeline your EPDs to the users



Intelligence for improvement

ANALYTICS

Capture your business opportunities



We provide a streamlined process combining AI & expert verifiers

INTERNAL AND SUPPLY CHAIN DATA COLLECTION

Ask suppliers for LCAs or BOM

Leverage the integrations

Set up your factory profiles

Validate the data internally

INTERNAL & EXTERNAL VERIFICATION

Automated QA tools

Validate the data internally

AI-assisted third party verification

EPD Quality Checker helps you catch errors before submitting

EPD Quality checker

Back

Helps you verify if your LCA modeling is accurate and complete. All the issues listed below should be addressed before submitting to verification.

Balance Values

Category	Input	Output	Unit	Project value	Accepted range
Mass balance (O… (3)	5.14E+01	-3.51E+01	kg	31.58%	-1% - 1%
Packaging	0.00E+00	3.15E+00	kg	100%	-1% - 1%
Product material	4.81E+01	-4.44E+01	kg	7.73%	-1% - 1%
Manufacturing waste	0.00E+00	6.10E+00	kg	100%	-1% - 1%
Energy balance	-4.75E-02	0.00E+00	MJ	100%	-1% - 1%

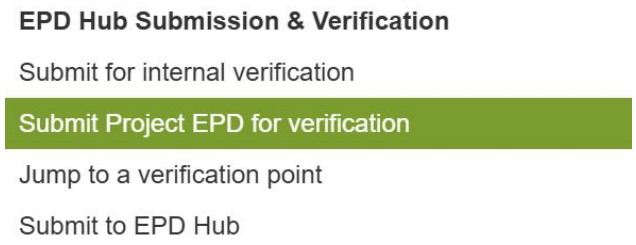
Columns

Declared Unit And Materials Mass Alignment

Mass of declared unit (kg)	Total material mass (kg)	Number of raw material	Mass difference (kg)	Project value	Accepted range

Free, unlimited, internally verified project EPDs with Power Pack

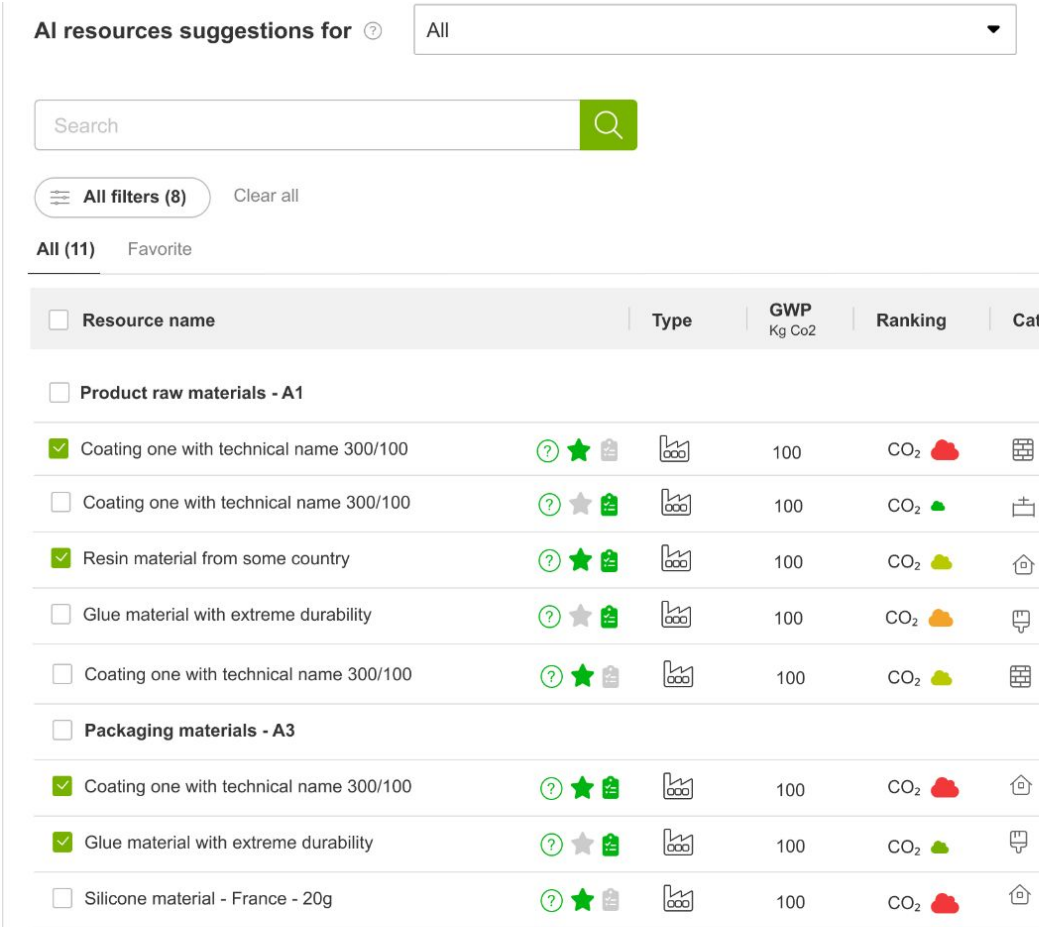
This is allows making internally verified project EPDs at scale – these are not published by EPD programs



Internal verification

ID	Project	Tool	Design	Sender	Verifier	Submitted ti…	Status
OCL-0000038	AAA_JohannaP…	LCA for LEED, I…	testf	Johanna Parisi	Evgenii Bakulkin	1 Aug 2024	Under verification
OCL-0000509	Product	Luminaire EPD …	SW-15026	Mariia Lavreniuk	Evgenii Bakulkin	26 Nov 2024	Rejected
OCL-0000984	Aliaxis product d…	EPD Generator f…	Fitting A	Lorelia le Gouvello	Evgenii Bakulkin	21 Mar 2025	Under verification
OCL-0001164	007 Scaling EPDs	EPD Generator f…	Height-adjustable des	Panu Pasanen	Evgenii Bakulkin	9 Apr 2025	Under verification

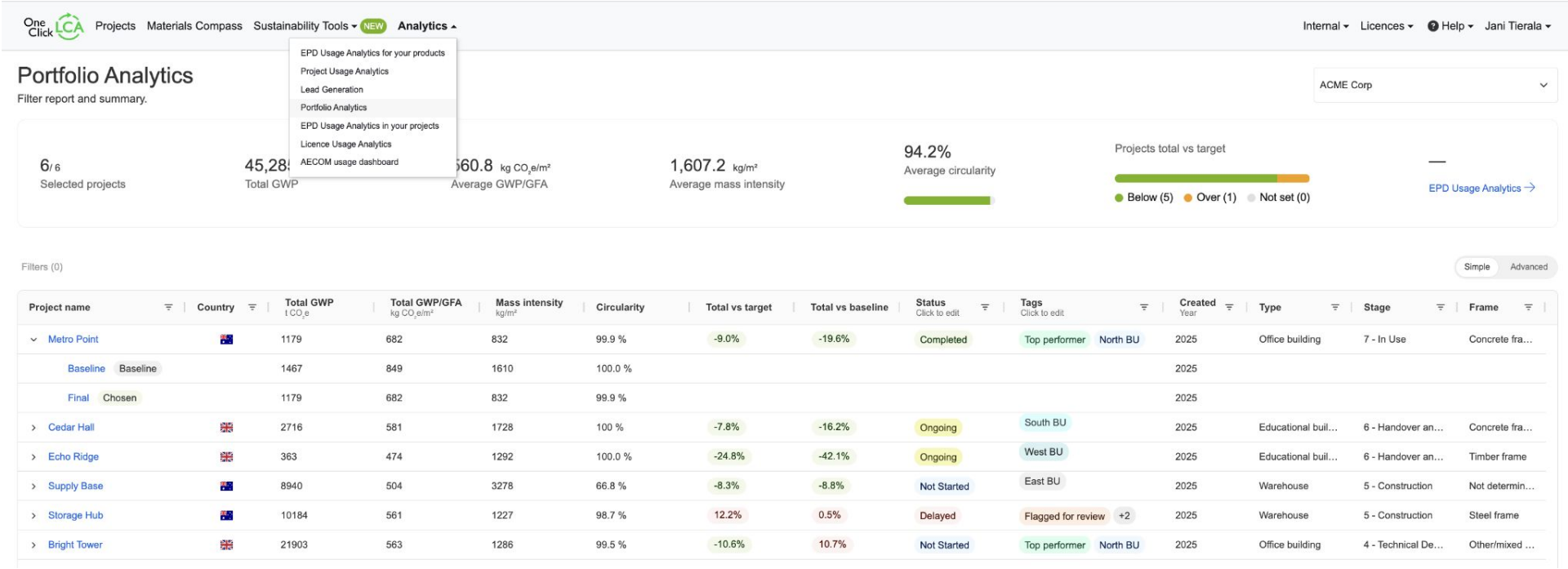
Coming: Recommendation service to detect & fill gaps in the BoM



MANAGING AND UTILISING LCAS AT SCALE

Portfolio analytics for managing AEC LCAs at a large scale

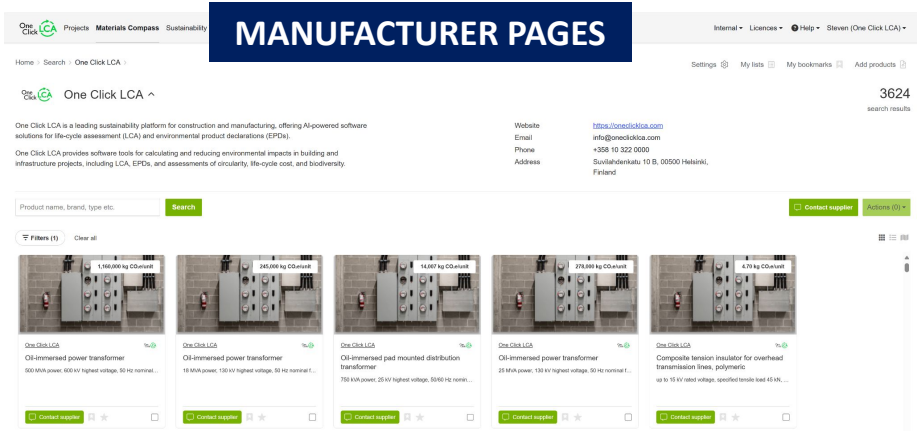
Instant view of all your projects – track their results and targets –even what EPDs your projects use the most



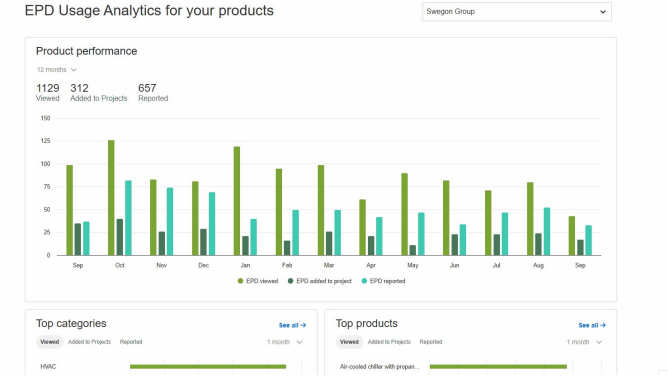
Manufacturer Commercial Pack – generate and capture demand

Ensure your data reaches all potential users and capture demand at the right time

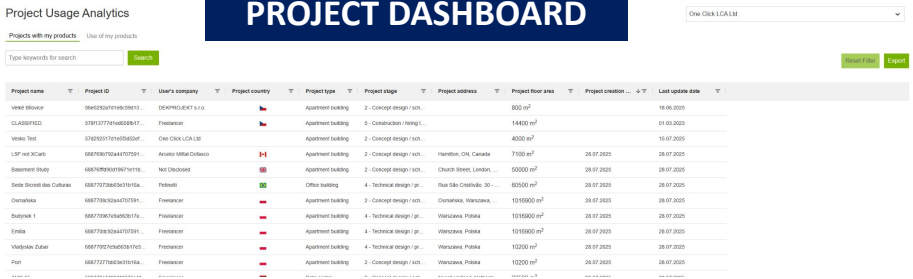
MANUFACTURER PAGES



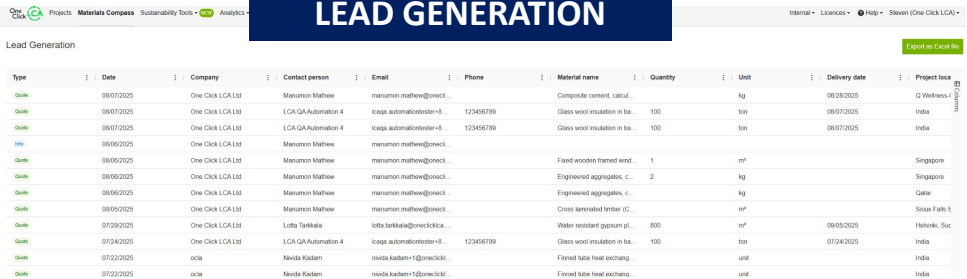
EPD USAGE ANALYTICS



PROJECT DASHBOARD

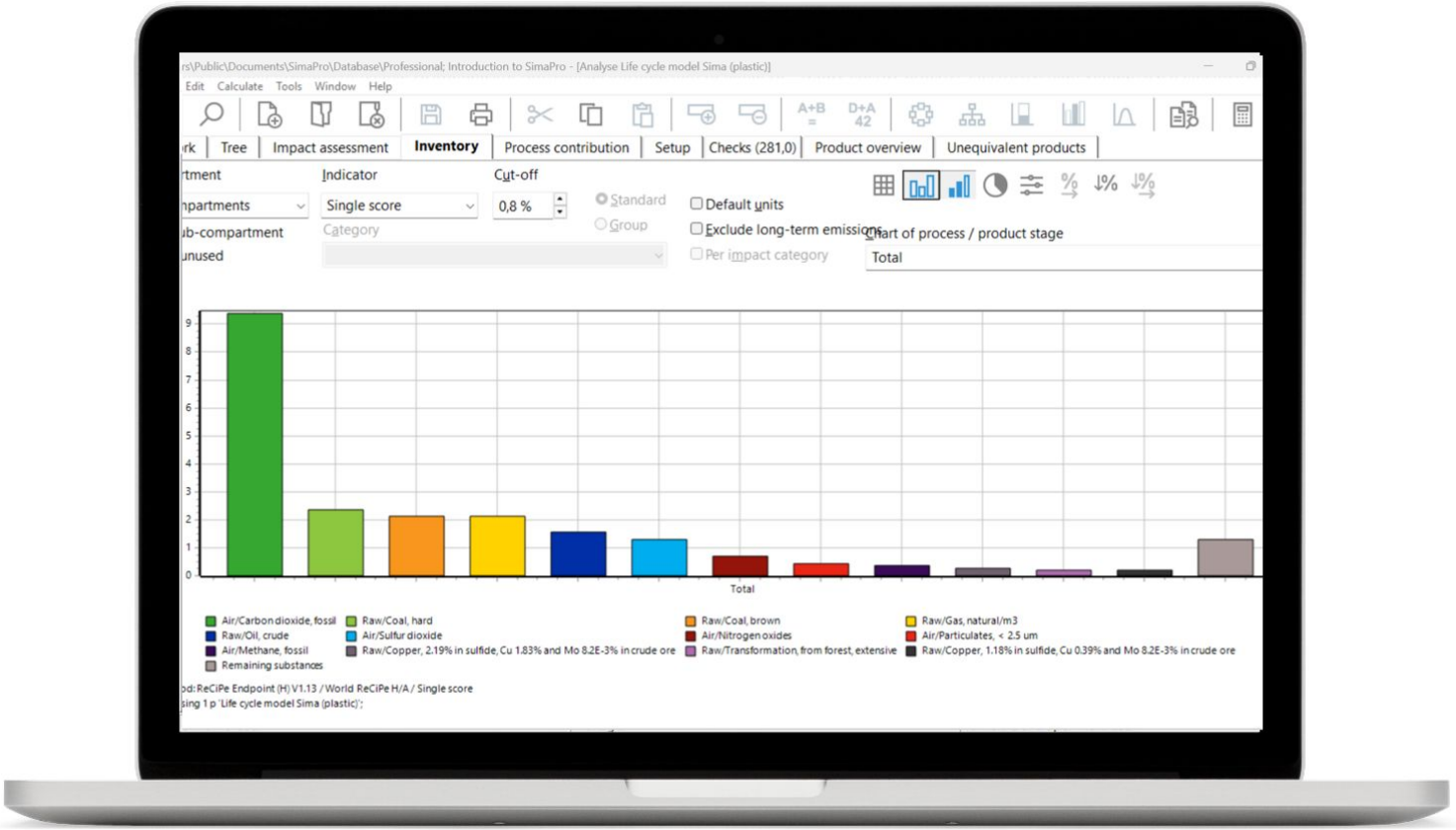


LEAD GENERATION

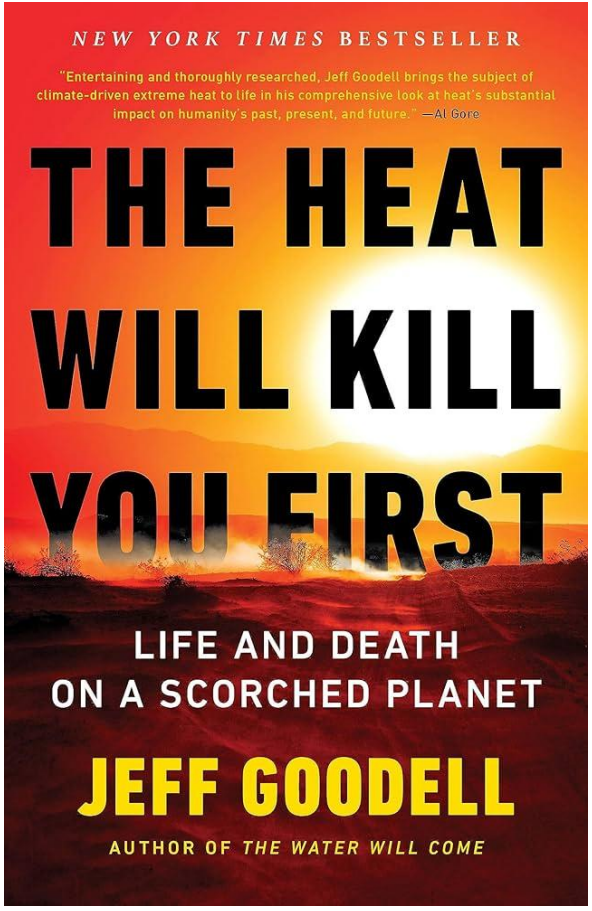


GOING DEEPER – SIMAPRO AND ENVI-MET

SimaPro Craft – tool of choice for LCA practitioners

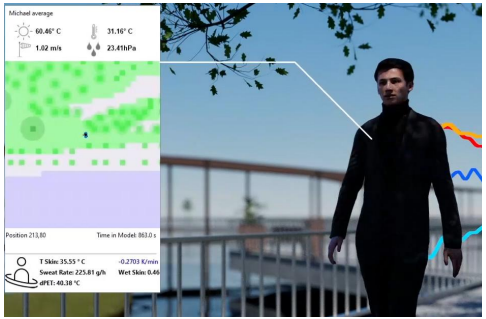


Mitigation alone is not enough to deal with climate change

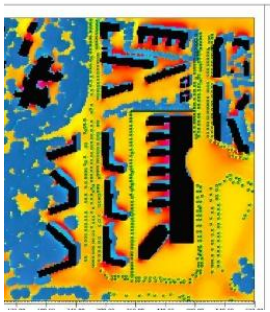


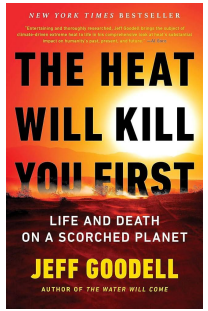
ENVI-met – holistic and realistic microclimate simulation

ACTUAL HUMAN EXPERIENCE



PREDICT & REDUCE HEAT STRESS





Built on science
World's #1 tool

Liveability check

Plants & nature

Integrations

Real interactivity

Impact on people

ENVI-MET

AIR, SOIL, BUILDINGS & PLANTS

NATURE-BASED SOLUTIONS

SketchUp

QGIS

Rhinoceros

grasshopper