Release notes

September 2023

Release highlights

BUILDING & INFRA LCA

- ✓ **Integration with Procore to import materials** new
- ✓ **New Net Zero Carbon Building LCA tool version with support for EN 15804+A2 data**
- ✓ Official Germany QNG tool validation ongoing
- ✓ Updated Building LCA data import templates
- ✓ Infrastructure Carbon, EN-17472 tool supports CESMM & Discipline classifications
- ✓ Regulatory updates to France RE2020 tool

ADVANCE NOTICE OF KEY FUTURE RELEASES

- ✓ New UK RICS 2 compliance tool new
- ✓ New Germany DGNB 2023 compliance tool new

PRODUCT LCA & EPD SOFTWARE

- ✓ All One Click LCA energy profiles available for Use phase reporting
- ✓ Private data & constructions pre-verified by EPD Hub can be used in Concrete EPD Generator
- ✓ Migrating all customers to most recent, fully supported EPD generator versions

GENERAL IMPROVEMENTS

- ✓ Consistent scientific formatting in all tools
- ✓ Attachment file size increase to max 16 MB

new = Completely new tool or major feature

Building & Infrastructure LCA

Customer request

New tool for UK RICS 2 in development

New building LCA tool for UK compliant with requirements set by RICS 2 is being developed.

A new building LCA calculation tool for RICS 2 in UK is now in development. With easy access to compliance features, you can deliver building projects better optimised for low carbon impacts.

- ✓ Use early stage RICS specific scenarios in the early design
- ✓ Add more detailed inputs in the technical design phase
- ✓ Pre-construction inputs including demolition of the existing building
- ✓ Automatic report generation aligning with the standard
- ✓ Calculate carbon impacts with and without decarbonization projections (requirement for reporting)
- ✓ New generic data generated and optimised by One Click LCA to match RICS2 specifications
- ✓ Create early baseline RICS 2 compliant building design with a few clicks in Carbon Designer 3D

To add the tool to your subscription or enquire about availability status, contact sales@oneclicklca.com.

The RICS whole life carbon assessment is a standard for consistent and accurate carbon measurement in the built environment. This 2nd edition has been extended to cover all buildings and infrastructure throughout the built environment life cycle. Read more on the RICS website.

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Customer request

New tool for DGNB 2023 in development

New building LCA tool for Germany compliant with requirements set by DGNB 2023 is being developed.

A new building LCA calculation tool for DGNB 2023 in Germany is in development. As a planning and optimisation tool for assessing sustainable buildings and districts, the DGNB System seeks to increase real sustainability in construction projects.

DGNB 2023 is a consistent further development of the 2018 version with many updates. In pursuit of greater climate protection, Klima+ bonuses introduced in 2022 are converted into regular points with more focus on the GWP Global Warming Potential. **E.g. the ENV1.1 credit for disclosure of life cycle assessments, which is achievable with this new tool by One Click LCA, puts higher focus on GWP.**

In addition, e.g. requirements for future climate targets have been sharpened and compatibility with both QNG quality label and EU Taxonomy has been considered. Read more on the DGNB website.

If you are interested in adding the tool to your subscription or wish to enquire about DGNB 2023 tool availability status, please contact sales@oneclicklca.com.

Plan availability BUSINESS EXPERT

Customer request

One Click LCA integration with Procore

Transfer bill of materials data from Procore for life cycle assessment in One Click LCA

The One Click LCA integration with Procore is now available to customers. With the plugin, you can easily transfer bill of materials data from your purchase orders in the Procore Commitments tool to One Click LCA for life cycle assessment.

One Click LCA offers tools for Life Cycle Assessment (LCA) automation with integrations to a multitude of industry software. With this new integration you can easily export bill of materials data from your your purchase orders in the Procore Commitments tool and easily automate LCA using One Click LCA.

This solution can be used by construction industry professionals globally to automate LCA calculations for over 60 different standards, regulations and certifications.

This new integration works with the Procore Commitments tool. **To activate, you need to install the One Click LCA app available in Procore Marketplace. Please read more in Help Centre.**

Procore is the all-in-one construction management software built to help you finish quality projects—safely, on time, and within budget. With the Commitments tool, your team can track and manage real-time statuses and values of all contracts and purchase orders.

PROCORE®

Why One Click LCA - Procore integration?

- ✓ **Save time & effort with LCA** by seamlessly transferring data from Procore to One Click LCA
- ✓ **Get more accurate LCA results** with data from your actual design models
- ✓ **Comply with +60 LCA standards** & certifications globally with the #1 easy & automated LCA software

One Click LCA

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Customer request

Official QNG tool validation ongoing

The new building LCA tool compliant with requirements set by the federal government in Germany for QNG (Qualitätssiegel Nachhaltiges Gebäude) is in the process of being evaluated for official approval by the federal Government in Germany.

The building LCA calculation tool for QNG, the quality of sustainable building in Germany, can be used to calculate LCA for various building types and it includes a government -provided database for materials, energy and default values for building technology systems.

This calculation tool is currently in the process of being evaluated for approval by the federal government in Germany. Once approved, the tool can be used to attain the official QNG seal of quality certification (levels "PLUS" or "PREMIUM") by independent bodies on behalf of the Federal Ministry of Building.

QNG is a government seal of quality for buildings. A prerequisite for the award of the seal of quality is proof of the fulfilment of general and special requirements for the ecological, socio-cultural and economic quality of buildings. Read more on the QNG website.

If you are interested in adding the tool to your subscription or wish to enquire about QNG approval status, please contact sales@oneclicklca.com.

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Customer request

New Net Zero Carbon Building LCA tool version with support for EN 15804+A2 data

A new version of the Net Zero Carbon Building LCA calculation tool is available with support for EN 15804+A2 data.

This new tool version supports data according to EN 15804+A2 standard as well as the already supported EN 15804+A1, TRACI and other publicly available databases.

Another small update concerns the biogenic carbon storage of reused materials. Now if a material is marked as reused, the biogenic carbon content of it is reported in D module.

The update is released in the format of a new tool with the 2023 naming (as with the Global Carbon tools).

This tool is automatically added to all users with a license to the previous version of the Net Zero tool. If you are interested in adding the tool to your subscription as an add-on, please contact sales@oneclicklca.com.

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One Click LCA

Customer request

Updated Building LCA data import templates

Data import templates for Building LCA now support new Construction site operations classification and reused materials annotation.

Building LCA data import templates now support classifications related to Construction site operations. You can select energy and water consumption, waste generated and additional site transportation in the ‘CLASS’ column.

You can also mark materials as reused in the templates.

You can review and download the new templates in our Help Centre.

One Click LCA

Infrastructure Carbon, EN-17472 tool supports CESMM & Discipline classifications

CESMM and Discipline classifications are now available in the Infrastructure Carbon, EN-17472 tool.

There are two classification systems added to the Infrastructure carbon tool to support calculations according to PAS 2080 standard. The graphics can also be grouped according to these classifications.

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One Click LCA

Customer request

Regulatory updates to France RE2020 tool

The RSEE in RE2020 tool for France now complies with the latest update of the standard so projects with building permit deposit dates after the deadline on October 10, 2023 can be validated.

The RE2020 tool for France has been updated to comply with the most recent regulatory update.

We have implemented required changes to the RSEE results export file so you can validate your projects with building permit deposit dates after the deadline on October 10, 2023. Changes applied will not affect your project results. Please note that to validate a project, it is still necessary to upload a RSET file based on version 2022.E3.0.0 of the standard (or a later version).

We now support private EPDs from two new INIES compliant EPD generator tools (in French: configurateurs), 3B and BSM. You can find the full list of official RE2020 compliant EPD generator tools on the official government website.

Le RSEE de l'outil RE2020 est désormais conforme à la dernière mise à jour de la norme afin que les projets dont les dates de dépôt de permis de construire sont postérieures à la date limite du 10 octobre 2023 puissent être validés.

L'outil RE2020 a été mis à jour pour être conforme à la dernière mise à jour réglementaire.

Nous avons mis en place les modifications nécessaires au fichier d'exportation des résultats RSEE afin que vous puissiez valider vos projets avec des dates de dépôt de permis de construire après la date limite du 10 octobre 2023. Les changements appliqués n'affecteront pas les résultats de votre projet. Notez que pour valider un projet, il est toujours nécessaire de télécharger un fichier RSET basé sur la version 2022.E3.0.0 de la norme (ou une version ultérieure).

Nous prenons désormais en charge les fiches configurées provenant de deux nouveaux configurateurs, 3B et BSM. Vous trouverez la liste complète des configurateurs officiels conformes à la RE2020 ici.

Customer request

Life Cycle Carbon 2022 tool for Japan supports waste & additional transportation

Waste and additional transportation added to Life Cycle Carbon 2022 tool for Japan.

Waste generated and Additional transportation trips have now been added to the Construction Site Operations query of Life Cycle Carbon 2022 tool for Japan.

Customer request

Green Star tool for Australia & New Zealand supports deconstruction/demolition scenarios

Deconstruction / demolition scenarios enabled for Green Star tool for Australia & New Zealand.

You can now complete module C1 in the LCA for Green Star tool using the Deconstruction / Demolition scenarios available in the Construction site operations query.

Customer request

Whole life carbon assessment, GLA / RICS tool reporting update

The Whole life carbon assessment, GLA / RICS tool for UK has been updated to report embodied carbon only in the carbon emissions per m2 table.

The additional result table displaying results per m2 of Gross Internal Floor Area has now been changed to include embodied carbon results only.

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One Click LCA

Customer request

New data to help you calculate more accurately

We have created 31 new generic datapoints:

- ✓ **15** new **Sheep wool products:** insulation, yarn and textile (upholstery)
- ✓ **14** new **Rock wool insulation**: Rock wool (mineral wool) insulation, unfaced: several options with range densities from 0 kg/m3 to 110 kg/m3 and recycled content from 22% to 90% slag.
- ✓ **2** new **Ceiling tiles**: Standard gypsum, Polyurethane foam waste and gypsum

You can find full details about updates to generic data in our Help Centre.

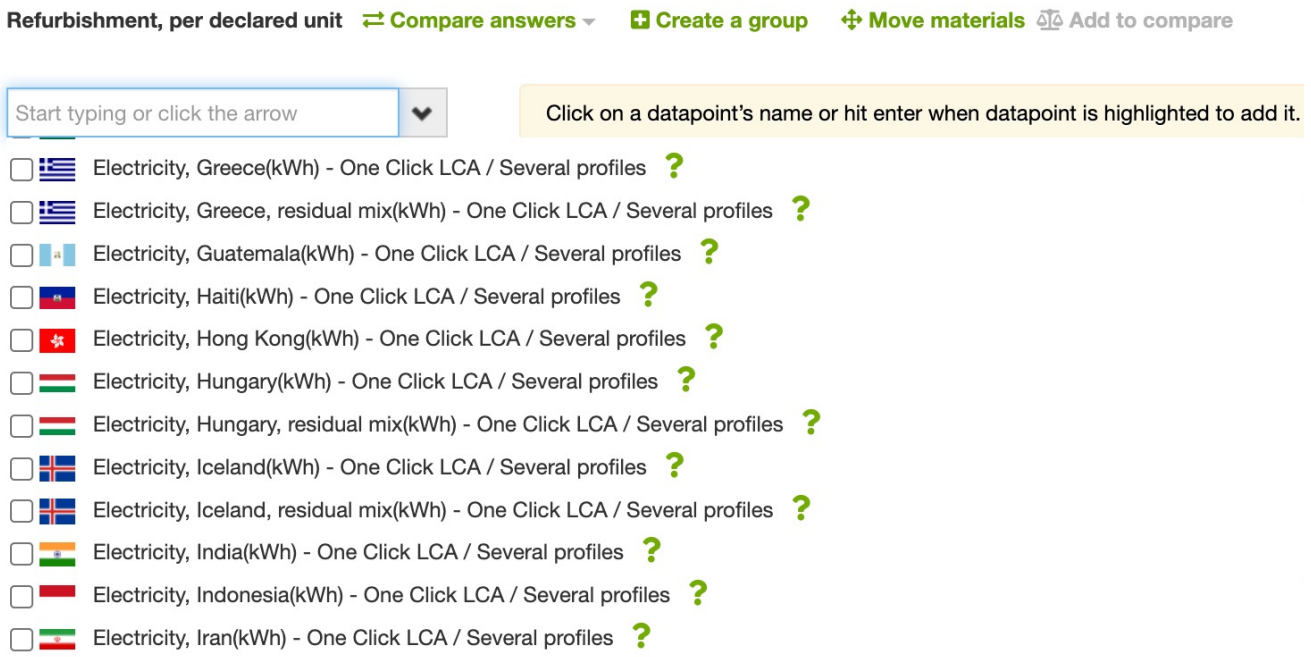
We have also added more than **1200** industry datapoints (EPDs). Details in Help Centre.

Product LCA & EPD Software

Customer request

All One Click LCA energy profiles available for Use phase reporting

You can now select all energy profiles produced by One Click LCA in EPD generator tools that where Use phase (B1-B7) can be reported. Applicable tools include **EPD Generator for EPD Hub V2** and the **Pre-Verified EPD Generator**.



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Private data & constructions pre-verified by EPD Hub can be used in Concrete EPD Generator

Private data and constructions that have been pre-verified by a verifier at EPD Hub can now be used within the Concrete EPD Generator by One Click LCA.

You can now create private data and constructions within the Concrete EPD Generator by One Click LCA, request that such data is reviewed by you appointed verifier at EPD Hub, and easily use the data in your LCA calculations and EPD generation once pre-verified by the EPD Hub verifier.

EPD Hub makes publishing Environmental Product Declarations easy, reliable, automated, and cost-effective for manufacturers and consultants anywhere in the world. EPD Hub delivers integrated EPD verification and publishing in line with ISO 14025, EN 15804+A2, ISO 21930, and other standards. You can read more on the EPD Hub website.

The feature is now automatically available with all Expert level licenses including the Concrete EPD Generator tool. If you are interested in adding this to your subscription, please contact sales@oneclicklca.com.

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Migrating all customers to most recent, fully supported EPD generator versions

To ensure quality of service and a streamlined customer experience, we will gradually migrate all customers to our most recent, fully supported product carbon and EPD generator tools.

If you are currently using old versions of our tools, Customer Support will contact you shortly about your migration plan. You can of course also contact us directly at support@oneclicklca.com to get help.

General updates

Customer request

Consistent scientific formatting in all tools & attachment file size increase

Results are always formatted as 0.00E+00 In tools where scientific formatting is used.

Maximum file size for attachments added to projects has been increased to 16 Mb.

Results

— Core environmental impact indicators - EN 15804+A2, PEF Download Results Summary

	Result category	Global Warming Potential total kg CO_2e	Global Warming Potential fossil kg CO_2e	Global Warming Potential biogenic kg CO_2e	Global Warming Potential, LULUC kg CO_2e	Depletion potential of the stratospheric ozone layer kg CFC11e	Acidification potential, Accumulated Exceedance mol H+ eq.	Eutrophication aquatic freshwater kg Pe	Eutrophication aquatic marine kg N eq.	Eutrophication terrestrial mol N eq.	Formation potential of tropospheric ozone kg NMVOC eq.
A1	Raw material extraction and processing	4,71E-01	4,67E-01	2,28E-03	9,22E-04	1,46E-06	3,21E-03	1,91E-05	5,11E-04	5,83E-03	1,63E-03
A2	Transport to the manufacturer	9,08E-03	9,07E-03	0,00E+00	5,01E-06	1,88E-09	4,07E-05	9,90E-08	1,16E-05	1,28E-04	4,01E-05
A3	Manufacturing	-1,30E-03	9,94E-03	-1,13E-02	4,55E-05	2,00E-09	5,61E-05	4,95E-07	1,32E-05	1,31E-04	3,68E-05
A1-A3	Product stage	4,78E-01	4,86E-01	-9,00E-03	9,73E-04	1,47E-06	3,30E-03	1,97E-05	5,36E-04	6,09E-03	1,71E-03
A4	Transport to the building site	1,62E-02	1,62E-02	4,70E-06	1,04E-05	3,31E-09	4,04E-04	7,89E-08	1,00E-04	1,11E-03	2,91E-04
A5	Installation into the building	1,82E-02	6,96E-03	1,13E-02	6,45E-06	1,11E-09	3,38E-05	2,38E-07	6,05E-06	6,62E-05	3,60E-04

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