Release notes

November 2023

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Release highlights

BUILDING & INFRA LCA

- ✓ **New data input interface to dramatically improve user experience** new
- ✓ **New feature to import data from any Excel file** new
- ✓ **One Click LCA plugin for Autodesk Civil 3D** new
- ✓ B2 & B3 stage scenarios in RICS, GLA & Green Mark tools
- ✓ Construction & energy benchmarks for PLUS & PREMIUM targets in QNG tool
- ✓ Improvements to 'See calculations' feature to make it easier to understand how results are calculated

PRODUCT LCA & EPD SOFTWARE

- ✓ **EPD Hub becomes member of ECO Platform** new
- ✓ Create EPDs in Japanese language with EPD Generator for EPD Hub
- ✓ EPD indicator for GWP according to principle of instantaneous oxidation for Sweden & Norway

GENERAL IMPROVEMENTS

- ✓ Enhanced calculation tools performance

new = Completely new tool or major feature

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New Data Input Interface (BETA)

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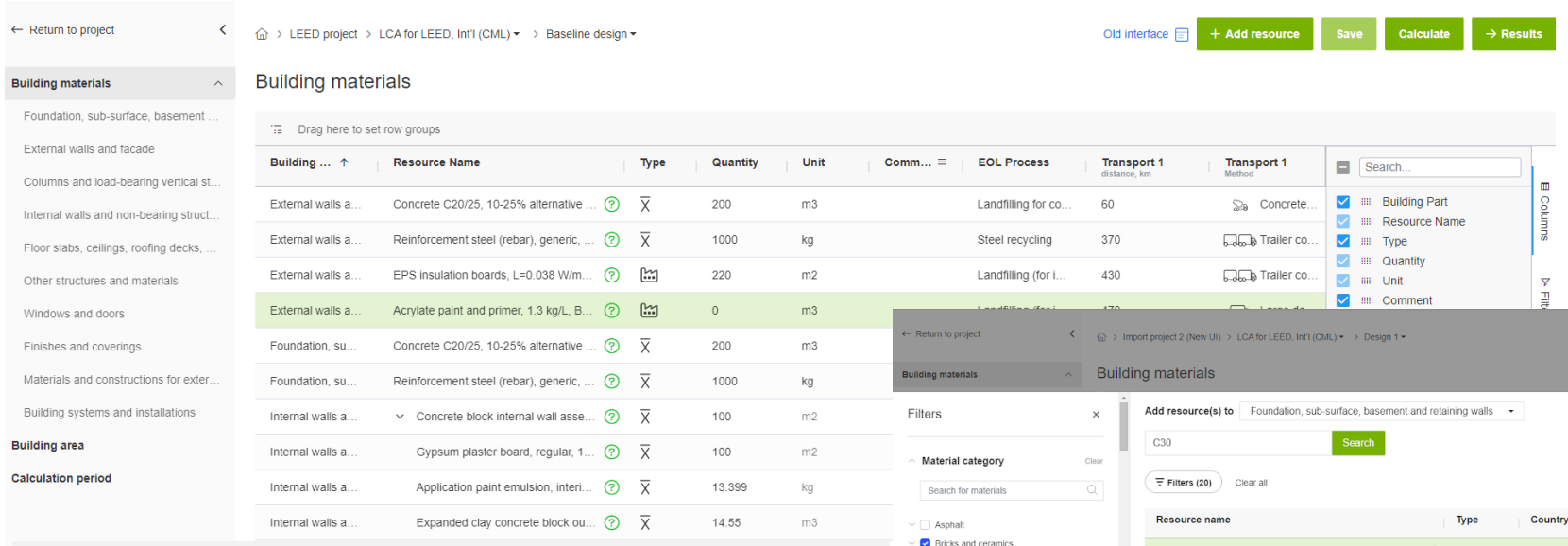
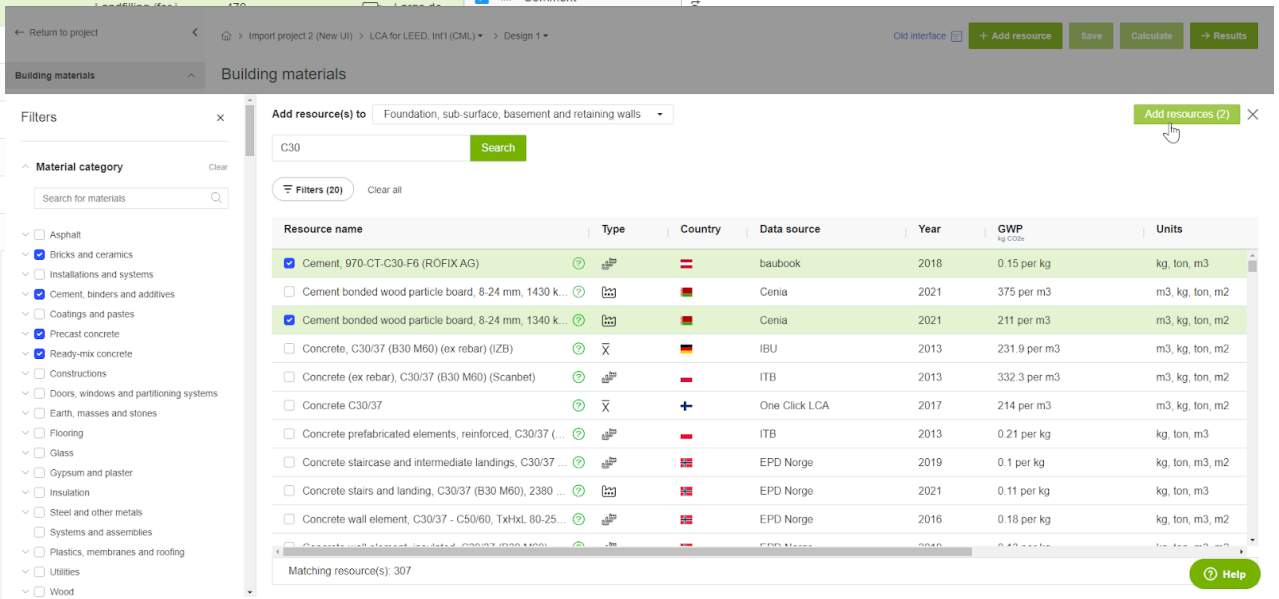
Customer request

New data input interface to dramatically improve user experience





To take your data entry experience to the next level, we introduce a completely new interface solution.

This BETA is available to select Expert users of the **LEED International tool**.

Development continues and we soon roll out new features, support for additional tools and availability for more users.

Read more herein and in Help Centre.

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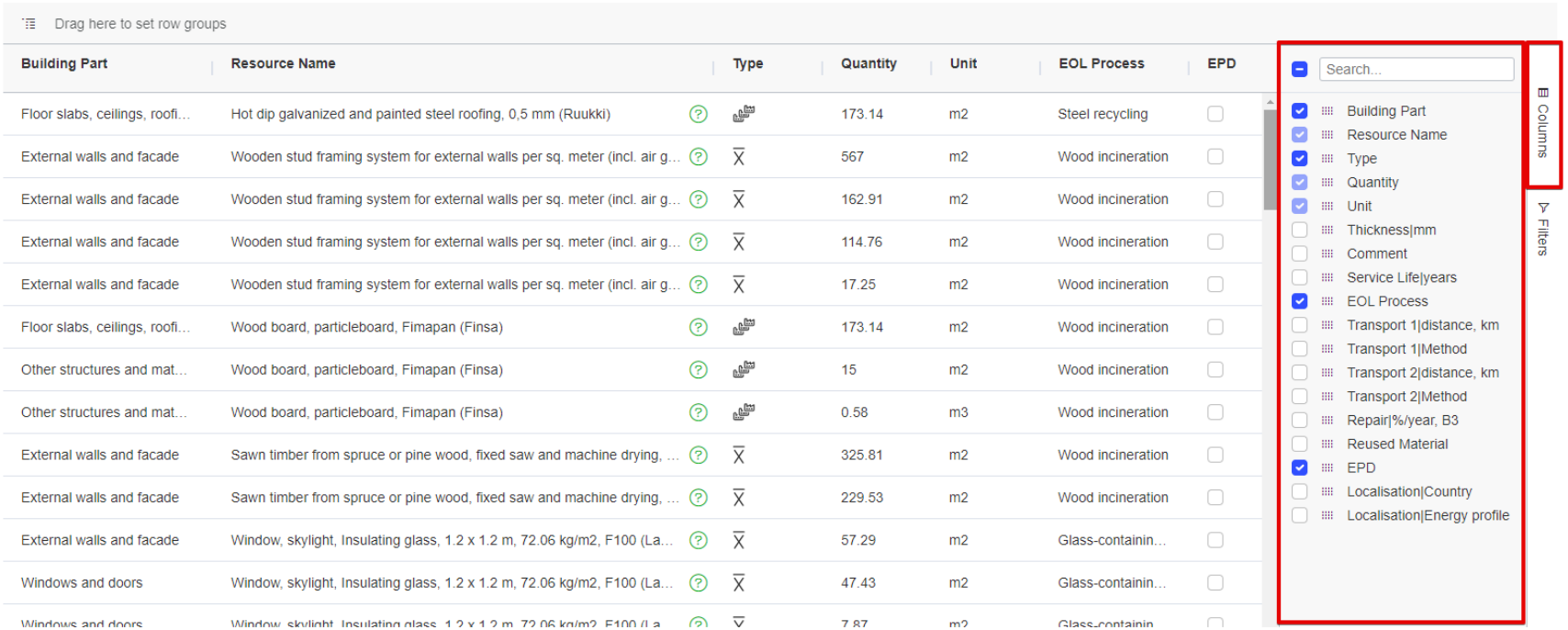
Customer request

Easy management of columns & visible data

Building materials



You can now easily:

- ✓ Resize columns
- ✓ Move columns
- ✓ Hide columns
- ✓ Pin columns
- ✓ Filter column data
- ✓ Wrap column data
- ✓ Group rows

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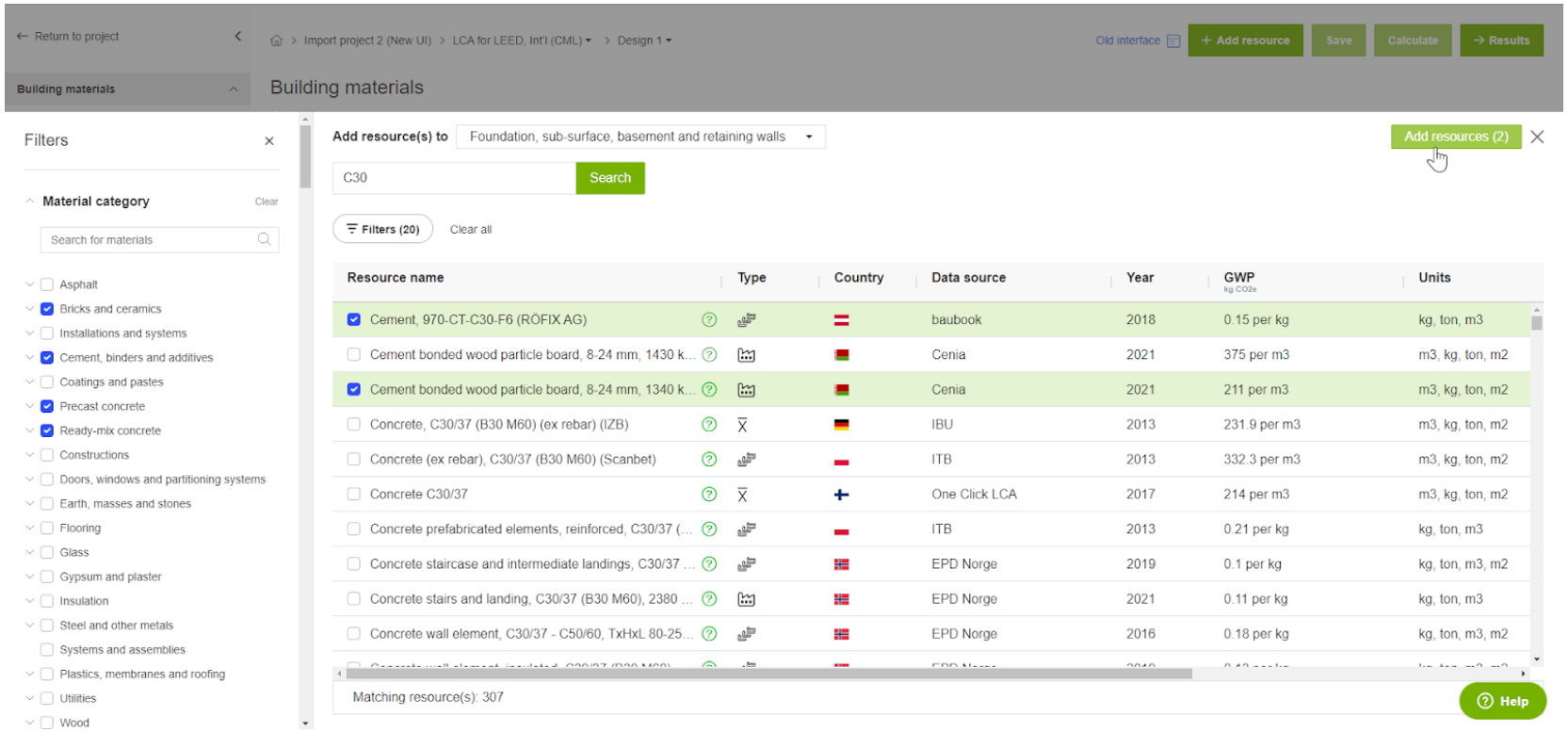
Customer request

Easier, faster & data-rich search for materials



You can now easily:

- ✓ Focus on search in separate overlay
- ✓ See more info about each material directly
- ✓ Sort results by any data type, such as GWP
- ✓ Add many resources in one go to your design
- ✓ Select many options from one filter
- ✓ Pin important columns

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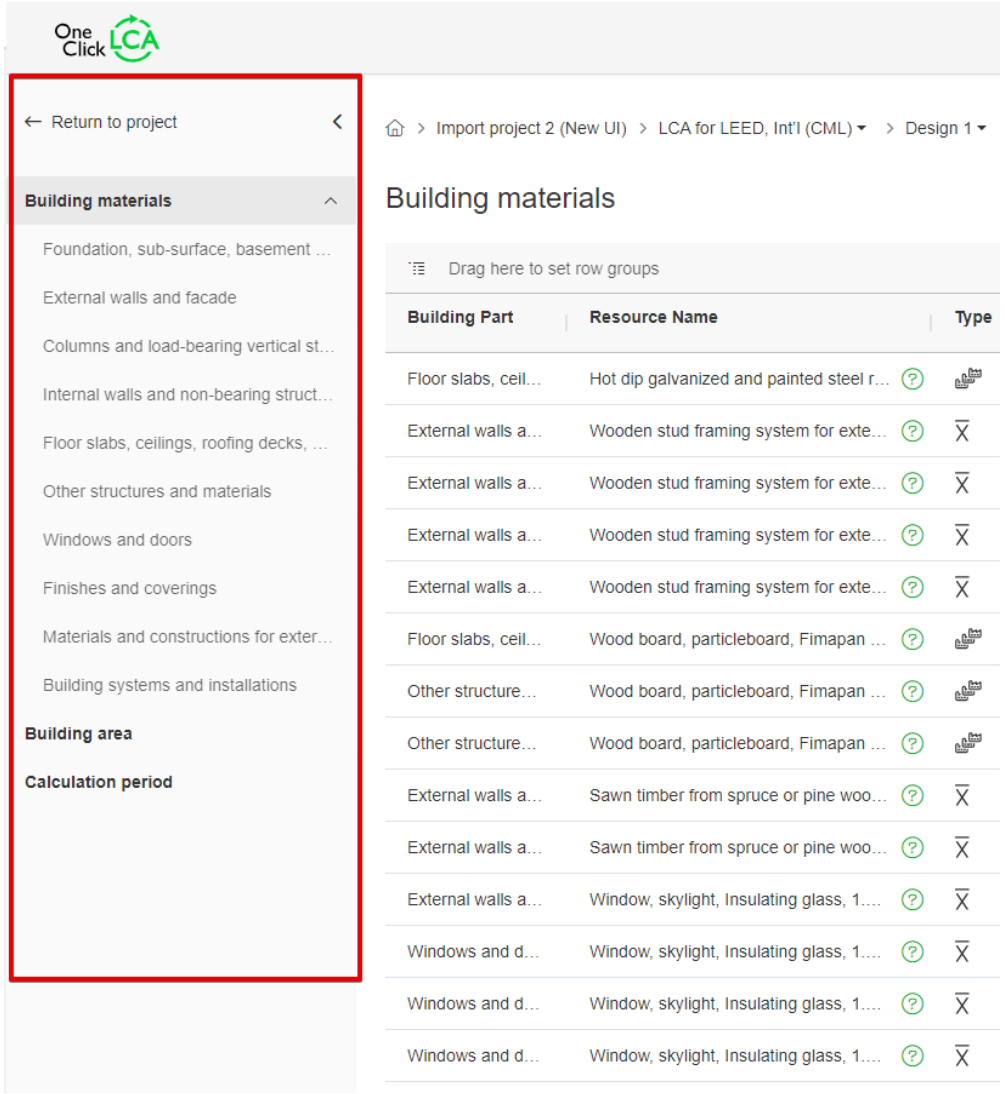
Customer request

Flexible navigation of design elements



You can now easily:

- ✓ Navigate within your design from the panel on the left
- ✓ Collapse and expand navigation element
- ✓ Select specific building part to filter out other data
- ✓ Switch instantly between queries without saving
- ✓ Save all inputs at once once you are done editing

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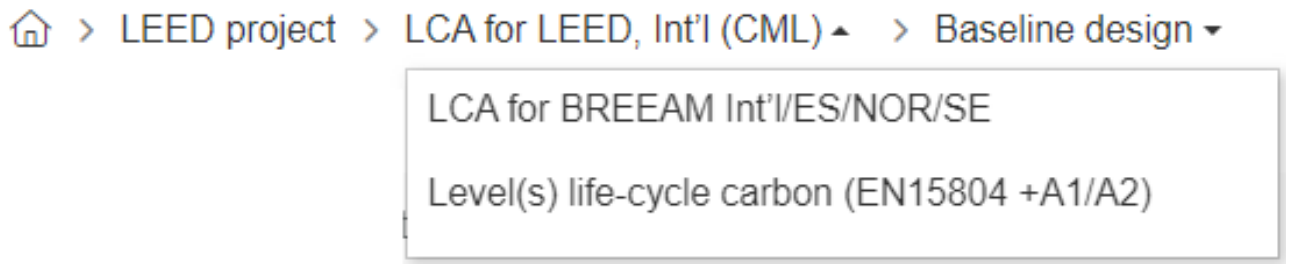
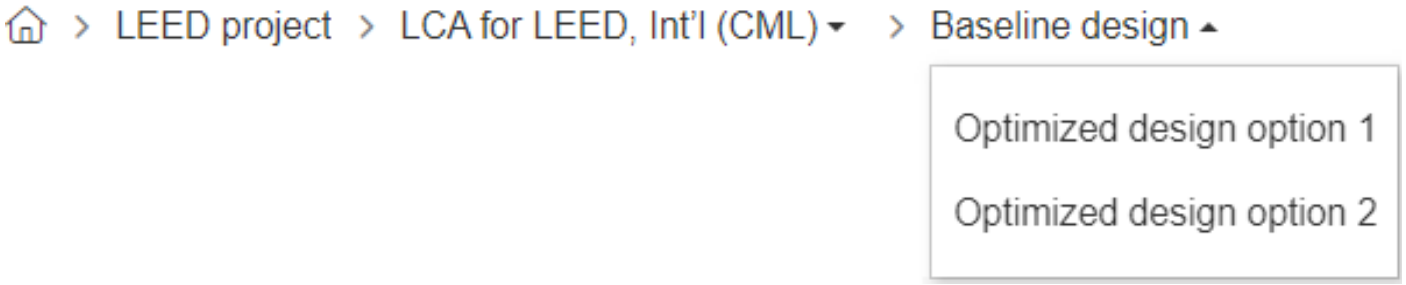
Customer request

Faster transition between tools and designs





You can now easily switch between tools and designs with the breadcrumb toggles

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Customer request

Instant save & much faster software

Overall data entry interface speed and performance have improved significantly.

Here are some of the highlights:

- ✓ Response time is improved in general for all functionality
- ✓ Saving is now instant as a click on the **'Save'** button does not trigger recalculation of the whole design
- ✓ Moving between input data queries is now instant as this navigation to another query does not trigger automatic saving and recalculation of data (instead, you can save your changes to all the queries when you are ready to do so)
- ✓ Results are automatically (re-) calculated when you navigate to the Results page

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Customer request

New data input interface BETA FAQ

Who has access to the new interface?

The BETA is initially available exclusively to **Expert license** users of the '**LCA for LEED, International (CML)**' tool. Eligible users get the option to use the new interface in the specified tool in the next few weeks. During the initial stages of the BETA availability, the One Click LCA team may need to regulate access to ensure quality of service.

I am one of the lucky ones with early access. Can I switch between old and new interfaces?

Yes. If you have BETA access, you can toggle interfaces by clicking the "New interface" and "Old interface" buttons. When you save your design before switching interfaces, changes are going to be preserved and available.

I am not one of the lucky ones with early access. When will I get access to the new interface?

Before granting access to more users, we would like to hear feedback from the first ones. We plan to roll out the new interface for most users and tools during 2024.

What does the BETA mean?

As expected, you can use the new interface to enter data and calculate results. Be aware that some features available in the old interface are still missing so you may need to move between the interfaces for the time being. This is the first version of the new interface available to customers so unexpected misbehaviors may occur. Please report any findings to our Customer Success team so we can seek to resolve them.

How can I provide feedback and report issues?

Please send your feedback to support@oneclicklca.com. If you are interested in providing more detailed feedback in person, please mention this in your email and our product managers will be in contact with you.

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Other Building & Infrastructure LCA

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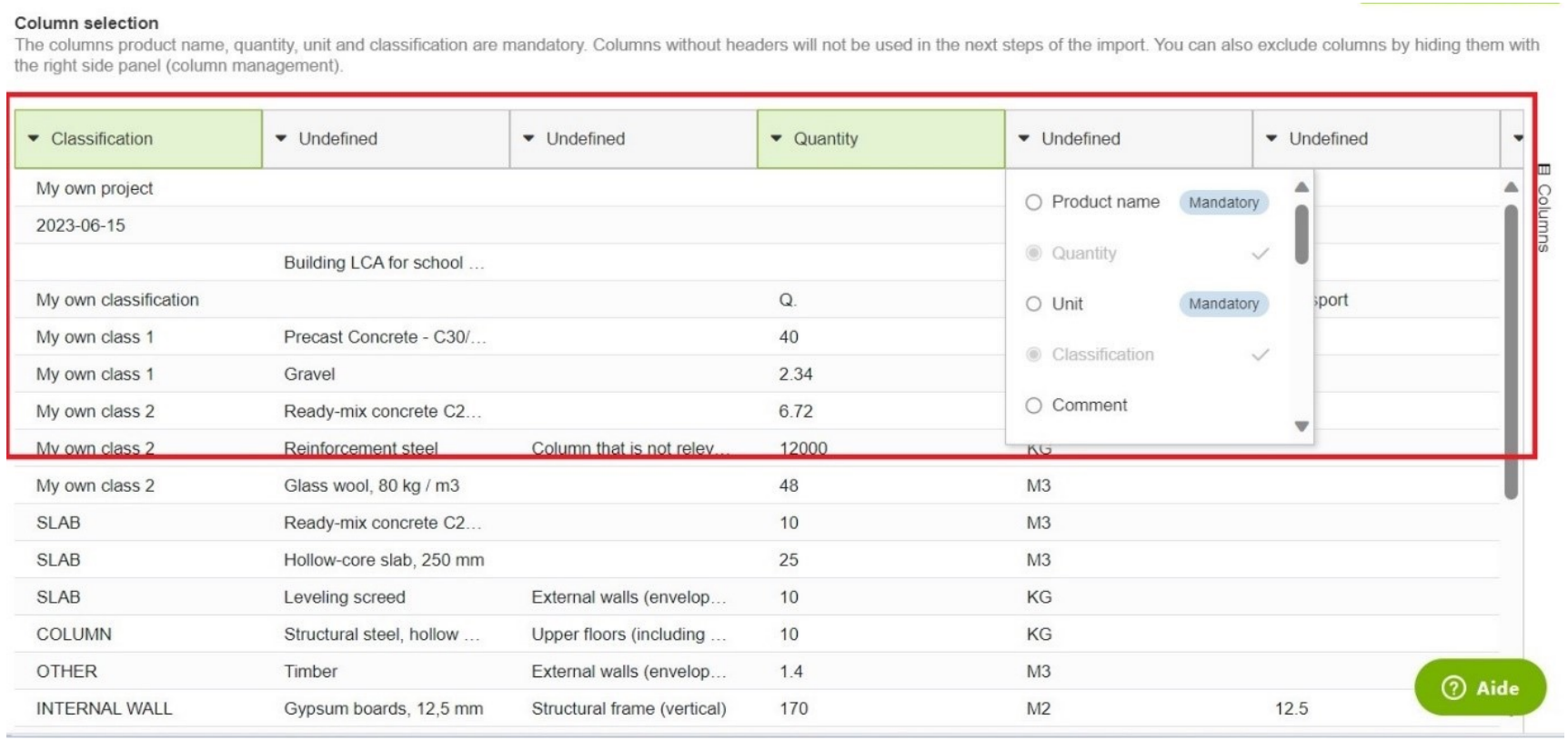
Customer request

New feature to import data from any Excel file

To help you reduce time spent pre-processing data before import to One Click LCA, we are introducing a new data import solution so you can upload your own Excel files. This solution will be available to building and infrastructure LCA customers in November.



Classification	Undefined	Undefined	Quantity	Undefined	Undefined
My own project					
2023-06-15					
	Building LCA for school …				
My own classification			Q.		
My own class 1	Precast Concrete - C30/…		40		
My own class 1	Gravel		2.34		
My own class 2	Ready-mix concrete C2…		6.72		
My own class 2	Reinforcement steel	Column that is not relev…	12000	KG	
My own class 2	Glass wool, 80 kg / m3		48	M3	
SLAB	Ready-mix concrete C2…		10	M3	
SLAB	Hollow-core slab, 250 mm		25	M3	
SLAB	Leveling screed	External walls (envelop…	10	KG	
COLUMN	Structural steel, hollow …	Upper floors (including …	10	KG	
OTHER	Timber	External walls (envelop…	1.4	M3	
INTERNAL WALL	Gypsum boards, 12,5 mm	Structural frame (vertical)	170	M2	12.5

The new data import feature allows you to upload bill of materials data in your own Excel source file without prior modification. Read more in Help Centre.

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Customer request

One Click LCA plugin for Autodesk Civil 3D

Transfer bill of materials data from Civil 3D for life cycle assessment in One Click LCA

The One Click LCA plugin for Autodesk Civil 3D is now available to all customers. With the plugin, you can easily transfer bill of materials data from the model open in Civil 3D 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, plugin-based integration you can easily export bill of materials data from your models in Civil 3D and easily automate LCA using One Click LCA.

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

This new plugin works with Civil 3D 2022/-23/-24 for Windows, and exports data from Corridors, Pipe networks, Surfaces and Blocks. You can access the installer in our Help Centre.

Civil 3D® software by Autodesk is a comprehensive detailed design and documentation software for civil infrastructure. The software empowers civil engineers to meet complex infrastructure challenges in a 3D model-based environment.

AUTODESK Civil 3D

Why One Click LCA plugin for Civil 3D?

- ✓ **Save time & effort with LCA** by seamlessly transferring data from Civil 3D 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

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Customer request

B2 & B3 stage scenarios in RICS, GLA & Green Mark tools

Scenarios for B2 and B3 stages are now available in GLA, RICS and Green Mark tools.

Scenarios according to GLA guidance are now available in tools for GLA, RICS and Green Mark, including tool versions for both +A1 and +A2 data.

The scenario for B2 will add 10 kg of CO2e per m2 of the given area. The B3 scenario will add 25% of the B2 impacts calculated for the design.

This feature is available in the '**Maintenance, Annual**' input query and can be used for both existing and new projects.

The feature is available in the RICS, GLA and Green Mark tools. If you are interested in adding one of these tools to your subscription, please contact sales@oneclicklca.com.

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Construction & energy benchmarks for PLUS & PREMIUM targets in QNG tool

Entry of benchmark values for construction and energy is available in QNG tool to calculate PLUS and PREMIUM targets in compliance with scheme requirements.

In LCA for Qualitätssiegel Nachhaltiges Gebäude (QNG) tool, you can now enter reference values for construction and energy to calculate PLUS and PREMIUM targets.

With complete inputs for building project and reference values, the result summary will show whether targets were reached in **Global Warming potential** and **Use of Non-renewable energy** categories.

This feature is available in all existing and newly created projects with with all licenses including the QNG tool. If you are interested in adding this tool to your subscription, please contact sales@oneclicklca.com.

NACHHALTIGES GEBÄUDE

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Customer request

Updates to Japan Life Cycle Carbon tool

Free text classification and upfront carbon only results graph now available in Life Cycle Carbon, Japan 2022 tool.

Free text classifications are now enabled in the tool so that you can add any custom classification for each material input row. The results graphics can be grouped based on these classifications in both the result and the main page of your project.

You can now select to view result graphics for Upfront carbon only (A1-A5 Life Cycle stages). This lets you focus on viewing impacts of the construction stages more easily. This option for the results scope is available on both project and results pages.

These updates are now available with all licenses including the Life Cycle Carbon, Japan 2022 tool. If you are interested in adding this tool to your subscription, please contact sales@oneclicklca.com.

Life Cycle Carbon, Japan 2022 ツールのアップデート

・プロジェクト単位の資材分類の自由入力機能の追加。本機能の搭載により、資材ごとに分類名をカスタム入力が可能になります。また、プロジェクトのメインページ、および結果ページの両方で設定した分類ごとのグラフを表示することも可能です。

・アップフロント(A1-A5)の排出量に絞ったグラフ表示機能の追加。グラフ表示範囲の選択により、建設・施工段階に限った環境影響表示が容易になります。本機能はプロジェクトのメインページ、および結果ページの両方で利用可能です。

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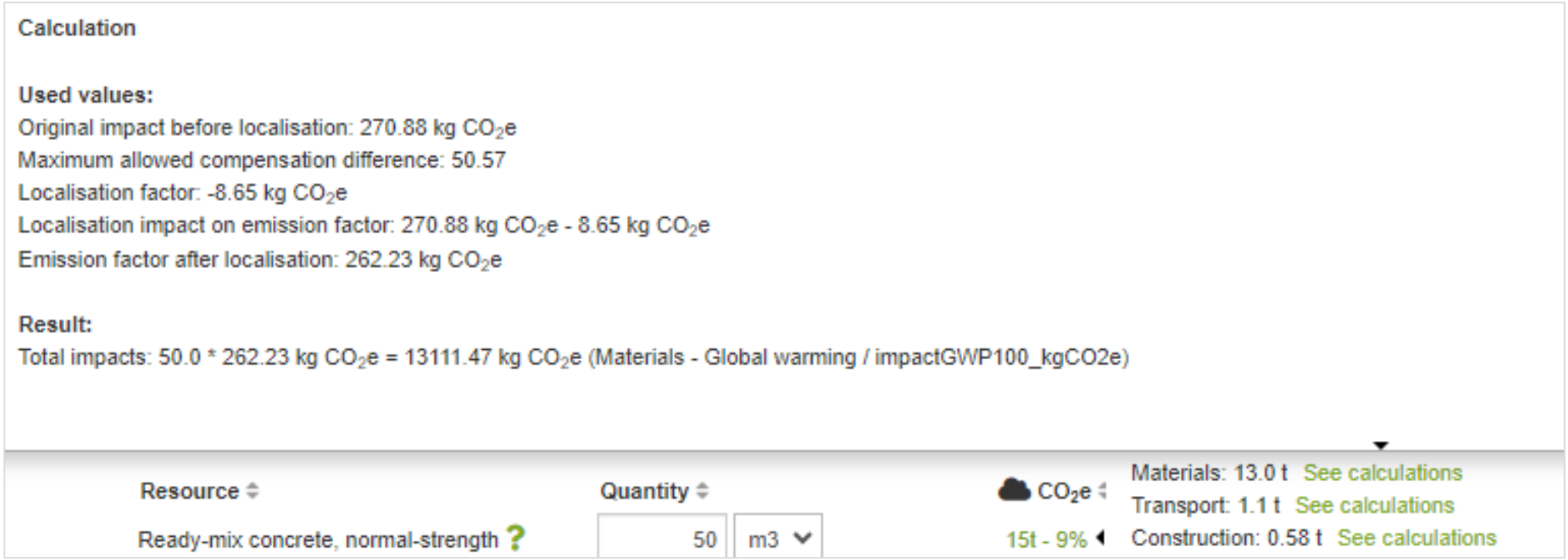
Customer request

Improvements to ‘See calculations’ feature

The ’See calculations’ feature has been improved to make it easier to understand how environmental impacts are calculated in One Click LCA.



The background calculations for environmental impacts are now available in a format that is easier to understand. The ‘**See calculations**’ feature is available for each life cycle stage in the building materials query in building & infrastructure LCA calculation tools.

Read more in Help Centre.

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Customer request

New data to help you calculate more accurately

We have created 50 new generic datasets for various kinds of valves:

- ✓ Ball fitting and manifolds, several diameters (DN 8 to DN 100)
- ✓ Non-motorized brass valves, several diameters (DN 8 to DN 100)
- ✓ Wafer-style butterfly valves, several diameters (DN 50 to DN 300)
- ✓ Check valves, raised face (flanged), several diameters (DN 50 to DN 400)
- ✓ Gate valve, raised face (flanged), several diameters (DN 50 to DN 600)
- ✓ Globe valves, raised face (flanged), several diameters (DN 50 to DN 300)

We have also created 11 new generic datasets for other materials:

- ✓ 9 Electrical equipment: circuit breakers, sockets and switches
- ✓ 2 wooden board products

You can find full details about updates to generic data in our Help Centre. We have also added more than **1500** industry EPDs and you can find details in Help Centre.

District heating and cooling energy data by INIES for French Energy Carbon (E+C-) and RE2020 tools was updated per new regulatory specifications (2023).

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Product LCA & EPD Software

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EPD Hub becomes member of ECO Platform

EPD Hub is now a member of ECO Platform, a leading association promoting sustainable development in the construction sector globally.

ECO Platform has now officially accepted EPD Hub as a member program operator (PO), cementing EPD Hub's position among the world's leading EPD program operators. EPD Hub is a member in the Emerging Program Operator category. Read more on the EPD Hub website.

While very significant in the longer-term, this update has no immediate impact on EPD Hub rules or functionality in the EPD Generator for EPD Hub tool. Similarly, this has no impact on your ongoing EPD projects.

ECO Platform is an association promoting sustainable development, including a low-carbon economy and resource efficiency in the construction sector. It coordinates the development and provision of credible and scientifically correct data from products, seeking to mainstream life-cycle assessments (LCA) for buildings and infrastructure projects by provision of reliable product data in an affordable and effective way. Read more on the ECO Platform website.

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Customer request

Create EPDs in Japanese language with EPD Generator for EPD Hub

Create EPDs in Japanese language with EPD Generator for EPD Hub.

To help you better distribute your environmental credentials in Japan, we have added a bilingual English - Japanese EPD template in EPD Hub v2 tool.

This feature is now available with all licenses including the EPD Generator for EPD Hub v2 tool but is **not automatically activated**. If you wish to activate this feature on your existing license for the EPD Generator for EPD Hub v2 tool or are interested in adding the EPD Generator for EPD Hub v2 tool to your subscription, please contact sales@oneclicklca.com.

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Customer request

New EPD indicator for GWP according to instantaneous oxidation principle

New indicator for GWP according to instantaneous oxidation principle available in EPDs created with EPD Generator for EPD Hub. This indicator is required in Sweden and Norway, with the labels GWP-GHG or GWP-IOBC respectively.

You can now create EPDs with the GWP-GHG / GWP-IOBC indicator using EPD Generator for EPD Hub v2. This new indicator reports Global Warming Potential (GWP) according to the principle of instantaneous oxidation. The indicator is visible both on the Results page in the EPD generator and on the the exported EPD document.

Guidance set by Boverket in Sweden on climate declarations for buildings specify that biogenic carbon in construction products should not be taken into account when calculating the climate impact, i.e. **GWP-GHG**, reported in the EPD. Read more on Boverket website.

In Norway, **GWP-IOBC** is set as an additional required environmental impact indicator in NPCR Part A for construction products available on the EPD Norge website.

This feature is now available with all licenses including the EPD Generator for EPD Hub v2 tool but is **not automatically activated**. If you wish to activate this feature on your existing license for the EPD Generator for EPD Hub v2 tool, or are interested in adding the EPD Generator for EPD Hub v2 tool to your subscription, please contact sales@oneclicklca.com.

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Customer request

New templates to help you create EPDs faster

We have created 5 new product EPD templates:

- ✓ Vitreous enamel panel (Metal-based products)
- ✓ Pipe coupling grip (Plumbing parts, equipment & systems)
- ✓ Fire protection seal (Sealants & adhesives)
- ✓ PIR insulation with facer (Plastic insulation or elements)
- ✓ Shower enclosure (Windows, doors & facades)

We have also updated 5 product EPD templates:

- ✓ Steel product untreated/unpainted (Metal, fabricated & untreated structures)
- ✓ Valves & fittings (Plumbing parts, equipment & systems)
- ✓ Gypsum board (Gypsum products)
- ✓ Stone wool sandwich panel (Acoustic panels & systems)
- ✓ Power cables (Metal-based products)

One Click LCA EPD generators support many product categories with ready to use product EPD templates.

You can find full details about available EPD templates in our Help Centre.

To activate templates for your account or enquire about availability, please contact us at support@oneclicklca.com.

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General improvements

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Enhanced calculation tools performance

Enhanced performance of key features in calculation tools, including faster results saving, calculation and display.

As part of our ongoing efforts to significantly improve usability and productivity of our tools, we are excited to announce significant speed improvements in our application, focusing on three crucial areas: saving, calculation, and results display.

These enhancements ensure a smoother, faster experience, allowing for more efficient workflows and productivity and are automatically available to all users of all our calculation tools for building and infrastructure LCA, as well as EPD generation.

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