



UMBERTO LCA+

ONE OF THE LEADING SOFTWARE SOLUTIONS FOR LIFE CYCLE ASSESSMENTS

Umberto LCA+ is a professional software for CO₂ balances, Life Cycle Assessments and Life Cycle Costing. All application possibilities of the software at a glance:

- CO₂ balances to determine the Product Carbon Footprint (PCF) and Corporate Carbon Footprint (CCF)
- Life Cycle Assessments (LCA) for the calculation of all environmental impacts over the entire product life cycle
- Cost accounting with integrated ecological evaluation for eco-efficient decisions e.g. using Life Cycle Costing (LCC)
- Calculate Environmental Product Declarations (EPD)



ENHANCING DECISION PROCESSES WITH UMBERTO LCA+

Life Cycle Assessment allows you to quantify the entire life cycle of a product from an ecological point of view. This provides a solid basis for decision making, be it for packaging alternatives or for selecting the product's components. Understanding the demand for optimized compliance with ISO 14040 and 14044 is vital to stay competitive in your field, not at least because of a rising number of customers and other stakeholders who ask for environmental impact information. This need also becomes obvious when considering the rising importance of Environmental Product Declarations for an ever increasing range of products. So get one step ahead and start your project with Umberto LCA+.

It's all about flexibility

The heart of the Umberto LCA+ software is graphic modelling of product life cycles - because seeing creates understanding. And the possibility of working with subnets and hierarchical modelling makes it easier to outline global value chains associated with different suppliers.

Free choice of underlying databases

An exhaustive selection of background data forms the backbone of any successful LCA. With ecoinvent v3 as the master database, over 13,000 data sets are immediately at hand. An additional 7,000 data sets from the GaBi databases can be integrated optionally.

With Umberto LCA+, you can reduce the burden of searching for data and save valuable time during project development.

Impact Assessment

Impact categories can be viewed and analysed individually, you can choose from over 30 different LCA impact assessments (LCIA methods). The software supports both attributional LCAs (product system isolated from the rest of the market) and consequential LCAs (taking market information into account) and offers the option of choosing between three different system models.

Analysis

Transparency is necessary for analysis and for a correct interpretation of LCA results. With help from the expand function, upstream process chains become fully transparent with just one click. You can then verify the robustness of your assumptions by using sensitivity analyses.

LCA with integrated cost analysis

Convince your management by making concrete statements which impact the improvement measures will have on the costs of the product. Umberto LCA+ enables a comprehensive integrated cost analysis (e.g. using Life Cycle Costing). This enables you to create different scenarios with regard to technology, legal, market, price and demand developments with regard to costs and environ-

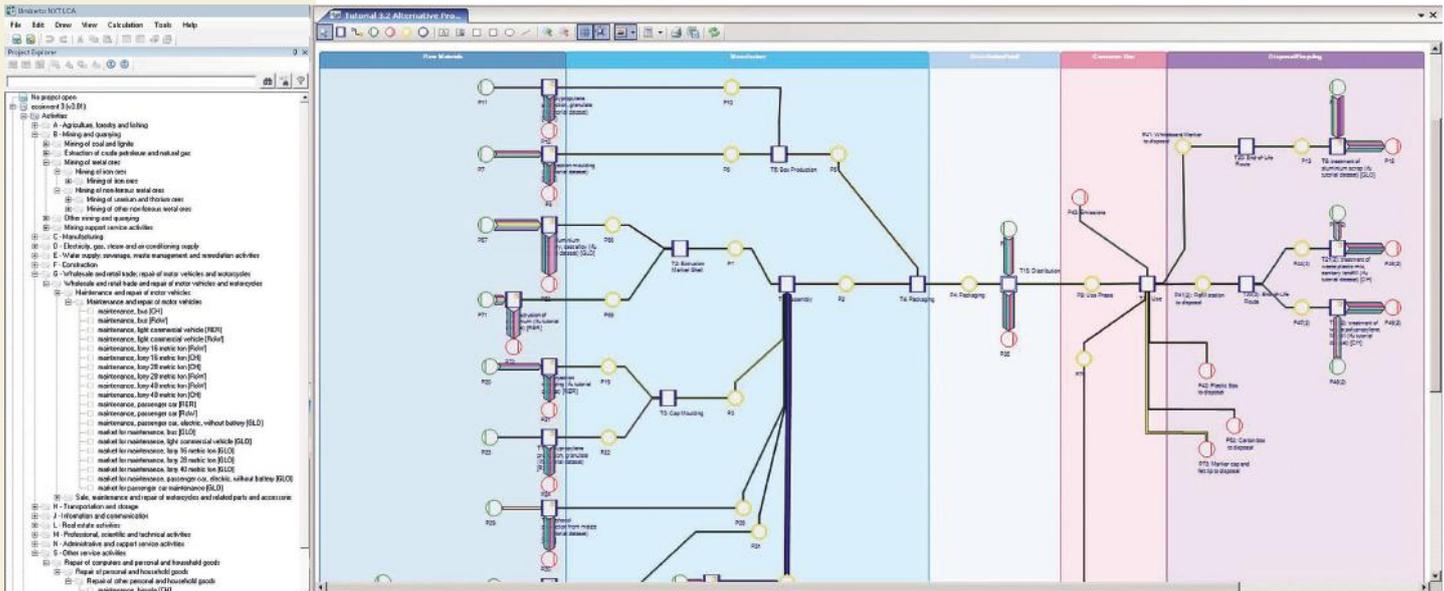


COMFORT FUNCTIONS

LCA practitioners value the well-known functions and tools common in Microsoft Office and other applications.

- Copy & Paste: Easily copy and paste entire models or parts thereof, even between different models.
- Undo/ Redo: Changes can be undone with just one click.

- Live Link to Microsoft Excel: Import cell values from Microsoft Excel workbooks.
- Sankey diagrams: See at a glance where the impact is for each impact category in the product life cycle.
- Export results: Conveniently export data to Microsoft Excel or export the graphics from models as print-ready image files.



Just drag the datasets into your model

APPLICATION EXAMPLES FOR UMBERTO

For more than 25 years we have enabled sustainable production for our customers. Umberto is used worldwide and in many different fields of application. Consulting companies and research institutes deploy the software to professionally advise their clients in the field of environmental sustainability and enhance innovation.

In industry, Umberto LCA+ enables companies to make their production and products more sustainable.

Customers can be found in numerous sectors such as the chemical industry, construction sector, food industry, consumer goods and many more. Moreover, universities and academia from Canada to Australia and from Brasil to Japan rely on the Umberto software for teaching purposes and for research projects.

Detailed case studies can be found at: go.ifu.com/cases_lca

Got the printed flyer at an event?

Scan me I am a QR code or type the short link below into your browser:



go.ifu.com/umberto_lca_en

Already online? Then take the following next steps:



1. Join a free web presentation at: go.ifu.com/umberto-web-demos
2. Download the 14-day trial version at: go.ifu.com/trial_version_umberto_lca
3. Get a non-binding offer at: go.ifu.com/quote_umberto_lca

We'll be happy to answer any questions by phone: +49 40 - 480 009-0 or via email at: info@ifu.com