



At The Blocks Innovations helped cBalance digitise the process of conducting Life-cycle assessments for businesses.

cBalance and At The Blocks Innovations have partnered with each other since November 2021.




Problem Statement

cBalance solutions maintains a database of emission factors with which they compute LCA and carbon accounting of supply chains, products and services.

Emission Factor averages for a wide range of activities and geographies are covered in this database. They also maintain exhaustive databases that manages activity hierarchies, units, tables, charts, etc.

Challenges Faced

cBalance maintains their EF databases in excel sheets; which meant that for every LCA project they had to create static & independent MS excel workbooks. This raised challenges such as,

-  Database divergence
-  Performance constraints
-  Lack of collaboration

Methodology

Requirements gathering

Use-case analysis

End-user interviews

Product design

Implementation

Database formatting

Demo + Delivery

Training + Onboarding

Solutions Provided

01 At The Blocks Innovations studied their databases and internal workflows and suggested a custom-built LCA solution.

02 All databases had to be reformatted and normalised to enable creation and upload of plug-and-play EFDB datasets.

03 Computation and visualisation modules were created to help with report generation.

04 Users were allowed to create individual projects, each with its own project data, EFDB datasets and collaborators.

Future plans

The application has been designed and built keeping in mind provisions for future enhancements such as,

- adding data collection modules,
- integrations with third-party ERP solutions,
- generating templated LCA reports,
- parsing annual reports.

Benefits for cBalance

- ✓ Reusable plug-and-play EFDB datasets.
- ✓ Project creation, management and collaboration.
- ✓ Export and Import of Project data for offline data collection.
- ✓ Online cloud-based LCA computation and reporting modules.

Target Users

- Staff at cBalance
- Professionals trained at LCAs

About Our Team

At The Blocks Innovations is a Technology advisory that aims to fight the environmental crisis by increasing robustness and bringing about reductions using hardware and software solutions.

Our Value Proposition

Our unique blend of expertise in the worlds of Technology and Sustainability helped us in the Product building efforts. The project needed detailed understanding of climate change factors, Life cycle stages, Impact categories, Organisational boundaries, etc.

Cbalance is currently evaluating LCA Tool for doing carbon footprinting of shoes for a sustainable shoe based company. Team has made a simple effective web based tool which is simple to understand, quick to setup and easy to use. It is helping us to do a smooth transition from an Excel based inhouse tool to easy to operate web based tool. Some of the features like dashboard, project collaborations, import-export activity data are really excellent and just appropriate. It will improve our turn around time in responding to clients with quick accurate numbers on CO2 Emissions. Team 'At the Blocks Innovations' was very cooperative in understanding our requirements and gave prompt responses on all our queries. We will look forward to work with them again !

- Dharmesh Patel,
Project Assistant, cBalance

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