

Digitalisation as a tool for sustainable
architecture?

ECO-CAD

ECO-CAD calculates life cycle assessment values on a broad data basis and using optimised data overlaps. The tool is provided by Hottgenroth Software AG. www.hottgenroth.de

This knowledge was donated by:

Background

ECO-CAD offers a complete CAD application including life cycle assessment with the aim of QNG certification, extended to include verification for climate-friendly new construction (KFN). The tool is based on the assumption that all available data is of monetary value. To utilise this potential, ECO-CAD collects data, evaluates it and searches for the common denominator. On this basis, a quantity calculation is carried out, for which the respective data model (building data model, product data model, etc.) is expanded and adapted to the project-specific requirements. The additional data required for this comprehensive access remains manageable. The system technology is also taken into account. With the results of the quantity calculation, ECO-CAD enables match-making on defined factors. At the same time, the structured collation of data makes it possible to react more efficiently to social and operational progress.

What?

- Data creation and/or data evaluation
- Determination of quantities and match-making to other databases
- Objective: QNG certification

Who?

- Authors of proof of funding

When?

- LP4 (Verification) Materials

How?

- Mapping intuitive; CAD application should be trained
- Licence fee: €399 (net) per user excluding software maintenance; named user licences in planning
- Largely model-based functionality
- Direct interface to Revit, Allplan, IFC
- Legally secured verification management