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Product News

Ecquate work with Ecospecifier for development of LCADesign software tools

Ecquate have announced to work with [Ecospecifier](#) for the development, distribution, use and sales of LCADesign for ecospecifier, a product-specific life cycle assessment (LCA) that is customised using corporate data, together with enhanced versions of the LCADesign [software](#) incorporating ecospecifier defined, product specific life cycle impact assessment (LCIA).

Ecospecifier

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The Australian Cooperative Research Centre (CRC) for Construction Innovation developed LCADesign software, a rapid ecoprofiling system with real-time take off from [building](#) information models (BIMs) generated by 3D Computer Aided Drafting (CAD) packages such as ArchiCAD and REVIT. The [tools](#) save files in industry foundation class (IFC) data transfer format that are essential for interoperability. Once BIMS are imported, a smart tagging tool links the element groups with algorithms and LCI data to generate whole-of-life environmental health LCIA covering

manufacture, periodic maintenance, replacement and operating energy and water.

LCADesign provides a detailed LCIA of every element and system defined in the BIM, as well as aggregated weighted impact results to generate a single eco-point score compared to the reference designs. The software, with generic material specifications, is available on the market in Australia. Other tools in the suite licensed to Ecospecifier, allow the same type of analysis to be conducted at a product level and Ecospecifier use LCADesign to undertake product specific analysis to create an integrated green BIM Data.

Ecospecifier is an online green product verification knowledgebase and database with over 3500 eco-preferred products. Ecospecifier's unique GreenRate service provides the product with green building rating scheme.