

MEDIA RELEASE



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Green Stars for LCA in Perth

Cundall and eToolLCD blaze a green trail of LCA while achieving 5 Star Green Star ratings for buildings in Kings Square

Over the past nine months, eTool has worked closely with progressive ESD consultants Cundall, to provide Life Cycle Assessments (LCA) of four large commercial buildings in Kings Square.

Strategically located within the \$5.2 billion Perth City Link precinct, the project is part of one of Australia's most significant CBD urban renewal developments.

Leading Australian group Leighton Property, set 5 Star Green Star requirements for all four of their current projects in Kings Square. With construction now underway, builders John Holland, Broad Construction and Probuild are working to achieve these targets.

Recently, Cundall successfully guided Kings Square One (KS1) to achieve a 5 Star Green Star rating. The design was awarded a total of 70 points, five of which were awarded upon completion of the LCA as part of the "Material Impacts Credit" for the Green Building Council of Australia's (GBCA) Green Star.

KS1 Project Manager Woody Forte, said achieving this first stage is a great outcome by the KS1 team and the project, and is a crucial point of difference in a competitive market for building owners and tenants alike.

"We worked collaboratively with our ESD consultant Cundall and Life Cycle Analysis (LCA) experts eTool, to identify and incorporate in the design the most cost effective ESD features to deliver the 5 Star Green Star rating, whilst also ensuring alignment with the project deliverables was maintained," said Woody.

Cundall was quick to incorporate the newly added LCA Green Star credits and engaged eTool to conduct the LCAs for the Kings Square developments.

"LCA was a logical inclusion for all of the projects and has made it easy to get a full understanding of the environmental performance of the design. eTool is paving the way for the next era in sustainable development with their innovative eToolLCD software. Their vision and approach means they fit in seamlessly with the project team and ensure that we keep up to speed with global advancements in ESD," Cundall's Senior Consultant, Oliver Grimaldi said.

eTool's Business Development Director, Alex Bruce said, "Incorporating eToolLCD in all four projects in Kings Square as well as a number of other large Perth developments has clearly demonstrated to the industry that LCA is now a standard part of good design practice."

“No other single product or service in the Green Star space can offer more value to improving your building’s environmental performance and rating,” Mr Bruce said.

As part of the requirements for the “Material Life Cycle Impacts” credit in Green Star, the LCA needed to be compliant with EN15978 (whole of building LCA) and ISO14044. While the Kings Square projects were some of the first in Australia to meet this standard, there are many poised to follow as the global demand for LCA continues to soar.

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Please note: High resolution images and interviews are available on request.

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About eTool

eTool is a world leading life cycle software consultancy that optimises building design for lower environmental impact and high performance. Utilising our unique software eToolLCD®, we work with architects, engineers and developers to measure and improve the life cycle impacts of buildings, surpassing industry standards. eToolLCD® makes sustainable development easy to achieve and cost-effective for all size projects, from residential and commercial building to land development and infrastructure.

For more information, please visit www.etool.net.au. You can also follow us on [Twitter](#), join us on [Facebook](#) and [LinkedIn](#) for the latest eTool news, or read our [blog](#).

Notes for Editors

“Materials Lifecycle Impact” Credit

In 2013, the Green Building Council of Australia (GBCA) released a draft “Materials Lifecycle Impact” credit, which made up to 8 points available for the conduction of a life cycle assessment of a building. Visit the [eTool blog](#) for more information.

IMPACT

IMPACT is a method and materials database for the implementation of building LCA and life cycle costing into building information modelling tools (BIM). For more information see www.IMPACTwba.com.

LCA

Life Cycle Assessment is the study of environmental impacts that occur due to a products life including raw material extraction, transport, manufacturing, installation, maintenance and repair, demolition and waste processing, reuse and recycling.