

"Green"

now an organic part
of architecture



Early design phase

Sustainability is all about choices, and 80 percent of design choices on energy efficiency are made early in the design process. EcoDesigner™ helps architects optimize the design by understanding the energy performance implications of design alternatives. EcoDesigner brings sustainability to the core of Virtual Building / Building Information Modeling.

Informed decisions

Quick, comprehensive, and easy to use: compare energy consumption, monthly energy balances and other indicators to inform the design process and make the best design choices.

"One-click" evaluation for architects

Now architects can evaluate Building energy performance within ArchiCAD: Graphisoft EcoDesigner is available from ArchiCAD and the best news is that all architects can use it right away! With EcoDesigner the ArchiCAD Virtual Building becomes an even more intelligent "BIM" model, right from the very first concept design.

Henry Deane Place
Rice Daubney, Sydney, Australia
Photo: Brett Boardman



"Henry Deane Place was one of the first "green" buildings in Sydney and embodies many environmentally sustainable solutions. It is multi award winning and has been used as a benchmark for other government buildings."

Graeme Smith, Principal of Rice Daubney, AUS

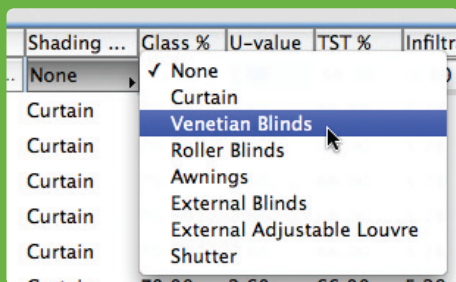
Graphisoft EcoDesigner

Analyze

- Automated Model Analysis – update the models during design
- Colored Structure Markup – visible in the floor plan and 3D window
- Model Review Palette – define structure groups based on energy values
- EcoDesigner obtains relevant weather data (temperature, humidity, wind speed and solar radiance) for the specified location.

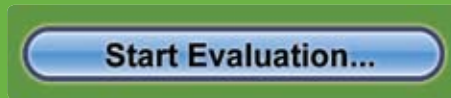


The analysis is fast, easy and intuitive. Use the robust feature set to collect and define variables, and EcoDesigner does the rest. The energy evaluation incorporates U-values of the structure, thermal properties of external openings, and other relevant data for the MEP systems.

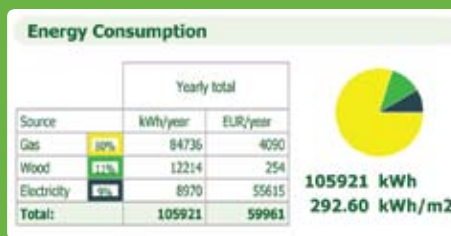
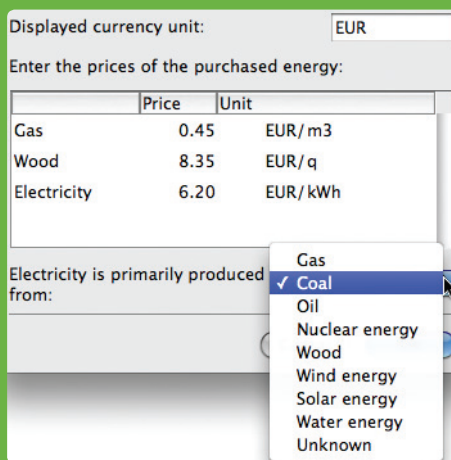


Calculate

- StruSoft's VIPCore Calculation Engine – one-click, dynamic evaluation
- Energy balance simulation – fast and easy hour-by-hour results

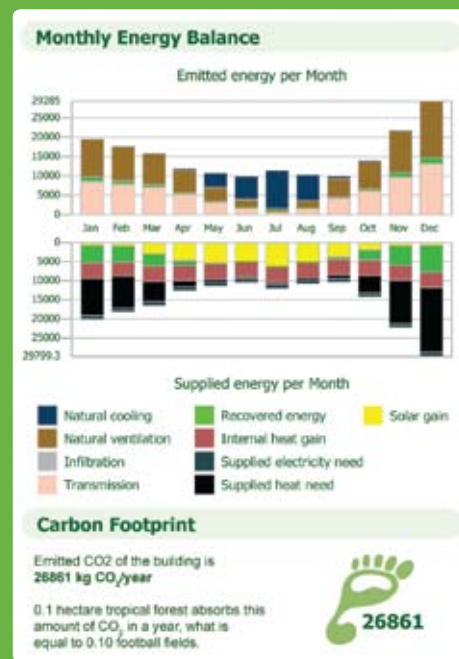


One click of the mouse and EcoDesigner's powerful VIPCore Calculation Engine determines energy performance for the year.



Results

- Building Energy Evaluation Report – fast, easy to read summary of key energy characteristics in exportable PDF format
- Summary Energy Consumption Report – fast, easy to read pie charts and numeric tables showing consumption according to type (cooling, heating, lighting) and fuel (coal, electricity, gas, oil, nuclear)
- Carbon Footprint – fast, easy to read representation of annual carbon dioxide emissions, and month-by-month energy balance



"As environmentally conscious architects, the ability to quickly and effectively perform energy analyses on our building models is beneficial to us and it adds tremendous value to our clients."

Russ Sanders, AIA, Orcutt | Winslow, US

FOR **GRAPHISOFT ARCHICAD 12**
a Virtual Building Solution

The Graphisoft EcoDesigner runs on both MAC and Windows. Software and hardware requirements correspond to those of ArchiCAD 12.

GRAPHISOFT
Virtual Building Solutions

For more details, contact any Graphisoft office, or visit: www.graphisoft.com

Headquarters
Graphisoft R&D zrt.
Phone: +36 (1) 437 3000
Fax: +36 (1) 437 3099
E-mail: mail@graphisoft.hu
Web: www.graphisoft.com

Japan
Graphisoft Japan KK.
Phone: +81 (3) 55 45 3800
Fax: +81 (3) 55 45 3804
E-mail: mail@graphisoft.co.jp
Web: www.graphisoft.co.jp

Spain
Graphisoft Spain, SL.
Phone: +34 (91) 535 8750
Fax: +34 (91) 535 8751
E-mail: mail@archicad.es
Web: www.archicad.es

United Kingdom
Graphisoft UK Ltd.
Phone: +44 (1483) 263 150
Fax: +44 (1483) 263 151
E-mail: mail@graphisoft.co.uk
Web: www.graphisoft.co.uk

Germany
Graphisoft Deutschland GmbH.
Phone: +49 (89) 746 430
Fax: +49 (89) 746 43299
E-mail: mail@graphisoft.de
Web: www.graphisoft.de

Russia
Graphisoft Representative Office
Phone: +7 495 510 2503
E-mail: russia@graphisoft.com
Web: www.graphisoft.ru

South-East Asia & China
Graphisoft Representative Office
Phone: +65 65632827
Fax: +65 65632827
E-mail: asia@graphisoft.com

United States
Graphisoft U.S., Inc.
Phone: +1 (617) 485 4203
Fax: +1 (617) 485 4201
E-mail: info@graphisoft.com
Web: www.graphisoftus.com