

"Green" now integrated in ArchiCAD!



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 – regardless of the climate where the building is built.

"One-click" evaluation for architects

GRAPHISOFT EcoDesigner is available from ArchiCAD -- and the best news is that all architects can use it right away! Now, architects can evaluate building energy performance within ArchiCAD using enhanced sustainable features -- incorporate green energy, solar power, heat pump, and more.

"We were determined to create a new livable and efficient home. Being able to model your design, site, environment and green strategies all within a single BIM model made attaining this goal much easier."

Carol Richard, Richard Wittschiebe Hand (RWH) Architects, WI, USA on Wisconsin's first LEED Platinum Home



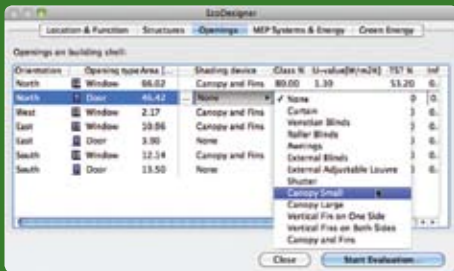
Analyze

- Automated Model Analysis – update the models during design
- Colored Structure Mark-up – visible in the floor plan and the 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.



Gallerio Residence, San Jose, CA
Curt Cline Modern House Architects

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

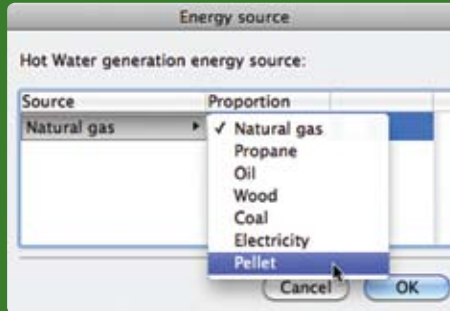
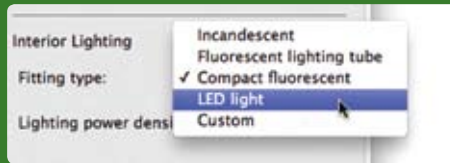


Calculate

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

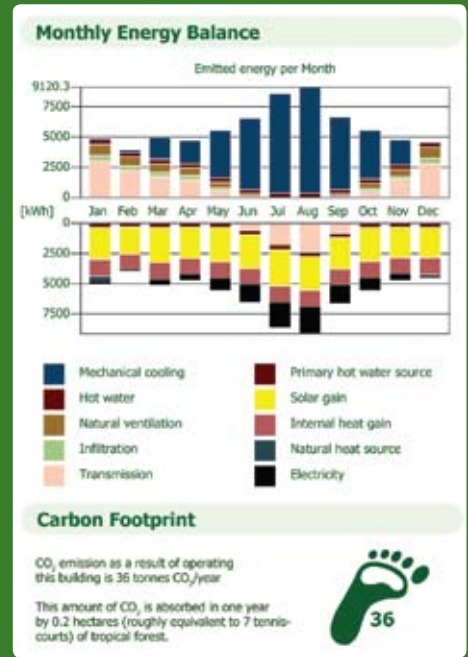
Start Evaluation...

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 an 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 14

The GRAPHISOFT EcoDesigner runs on both MAC and Windows. Software and hardware requirements correspond to those of ArchiCAD 14.

GRAPHISOFT®

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