

Eco3D Standard

Product Brochure



Overview of Eco3D

Eco3D is used to calculate carbon footprints and predict the effects of future change on energy usage and efficiency. Eco3D is easy to use, powerful software at the cutting edge of current technology.

Answering the Carbon Challenge

A Carbon Footprint is something all businesses have and with each passing year it is something they are becoming more aware of.

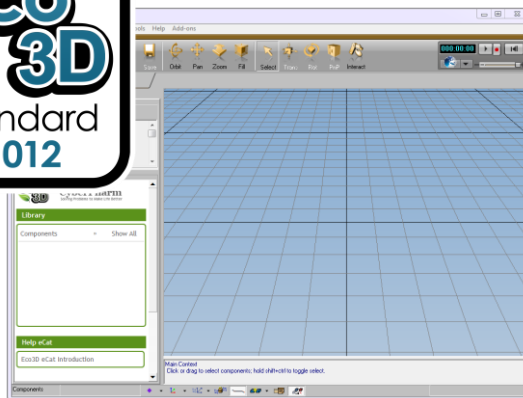
- What is the carbon footprint of your business?
- What is the carbon footprint of each of your products?
- How much energy does your phone system use?
- How much is replacing your equipment going to cost over 10 years?
- Will you actually save money by making a change?
- Can you save the environment and costs at the same time?

These are the questions Eco3D can answer for you or your clients.

Eco3D Standard 2012

Eco3D Standard has been created to help businesses improve by increasing their efficiency and making smarter decisions.

Eco3D Standard allows users to re-create their business activities in great detail. Allowing for changes in the workplace to be explored before spending any money therefore minimising risks.



3D Simulation

Eco3D Standard includes world leading 3D simulation software for factory automation 3DSimulate by Visual Components. Aimed at factories or production lines this technology is now available to businesses of all types to help them save energy.

Eco3D Standard can be used in conjunction with the Eco3D library to examine energy consumption, and help save money as well as producing accurate management reports and reusable 3D representations.

Model processes using the drag and drop interface, adjustments and fine tuning can be done such as setting working hours or scheduled down time. Whilst the simulation is running results can be viewed in real-time, click on any item in the world to see what the carbon cost for that item is. Or watch it accumulate as the simulation is running.

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Benefits

Through their use of Eco3D Standard users can expect the following benefits:

Full Carbon Footprint reporting – Reports are generated which give an accurate account of your carbon footprint.

Save Energy – By identifying where your energy is being consumed and proving energy saving measures you can start saving energy in your business.

Save Money – Increase efficiency in other areas of your business, ensure you are making full use of your existing equipment and personnel.

Reduce Mistakes - Trial new ideas on the computer first to make sure they will work how you expect.

Seamless Integration – Use the included API to support integration with existing systems, allows full programmability.

An End to End Solution – Eco3D Tools

Eco3D Standard is a full software suite meaning you can start making savings and reporting your carbon usage without needing any additional software. This software purchase includes everything you need but does not limit you, all data is easily exported to other third party applications such as Microsoft Excel or Crystal Reports for example.

This table shows the different software tools that are available and which tools are packaged with Eco3D Standard.

	Professional	Standard
Eco3D Professional	Yes	No
Eco3D Standard	No	Yes
Graph Analysis	Yes	Yes
Table Analysis	Yes	Yes
Fractal Zooming	Yes	No
Component Wizard	Yes	No
Report Manager	Yes	Yes
Export Manager	Yes	Yes

Each tool is presented as a separate program which is accessible through the Eco3D main menu, or launched from within the software.

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Graph Analysis

The Eco3D Graph Analysis tool allows users to make use of data published in graphical format without needing to resort to manual data entry. This software reads in a graph and the output is a table of data accessible to any other application.

Table Analysis

This tool makes it easy for users to prepare their data to help them save energy. No need to worry about data being in the wrong format or a different unit type. Table Analysis can be used to make your data fit your requirements. With over 1100 unit conversions available as well as powerful graph making options, Table Analysis will make your data ready for any use or audience.

Report Manager

The Report Manager is used to create high quality reports using data from Eco3D and by using either an existing template or you can create an entirely new design using the Report Manager interface. Through the use of existing templates or by creating your own templates you can reduce the time needed to meet your reporting needs in the future. Report Manager can create reports to satisfy any reporting requirement and any level of detail.

Export Manager

Should you ever need to take any data from Eco3D Professional for use in another application the Export Manager allows users to export any and all data in a usable format. A simple user interface allows users to select specific items of data if they wish or to simply output everything.

More Information

Additional Information about Eco3D Tools is available on the Eco3D website: www.eco3d.co.uk

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Eco3D Component Library

One of the key benefits to owning Eco3D is the Component Library access that is only available to valid simulation license holders. The Library contains over 40,000 components ready for use in Eco3D and accessible directly through the Eco3D software.

Each component is a small file that typically contains a 3D model and energy usage details for the product it represents. All commonly found products are included in the library as well as a number of static items such as walls, floors, desks etc.

Please feel free to browse the library before purchasing, but note that component details and download are not available for non-registered users:

www.eco3d.co.uk/library

The screenshot displays the Eco3D Component Library interface. At the top, there are navigation icons for Account, Help, Knowledge Base, and Sign Out. Below these is a breadcrumb trail: [Start](#) >> [Components](#) >> [Electronics](#) >> [Computers](#) >> [ThinClient Computers](#) >> [10ZiG](#).

The main content area shows the details for a component: **10ZiG - 5402 - 115v**. Below the title is a 'Quick Find' field containing the value 4470-5752. A 'Specification' tab is active, displaying a table of technical details:

Width	14.05511
Sleep Mode Default Time Upon Shipment	
Operating System Name	Linux, Windows CE, Windows XP
Processor Speed	400 MHz
Processor Name	Eden
Source	EnergyStar 2010
Manufacturer	10ZiG
Capital Cost	0
Length	3.8189
Type	Category A
Voltage	115v
Height	11.81102
Display Sleep Mode Default Time Upon Shipment	15 minutes

To the right of the table is a 3D model of the component. Below the model is a search bar with a 'Search' button. At the bottom of the component details, there are links for [Contact an Expert](#), [Email a Friend](#), and [Report Broken](#). A 'Download' button is also present, along with a 'Published: 14-03-2011' date.

At the bottom of the page, there is a footer with navigation links: [Home](#) | [Library](#) | [Contact](#) | [Sign Out](#) and a copyright notice: © CyberPharm Ltd 2012 All Rights Reserved.

Example of Library component details.

Library eCat

Users of the simulation software will also have access to the Eco3D Component Library through a simple drag and drop interface within the software. This is a second interface for the full Component Library making it much quicker for users to be productive. Users can search for components and drag them into the simulation very quickly and easily.

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Eco3D Training

With every purchase Eco3D Standard software is included an online session to give the user an overview of what is available within their Eco3D software and also to assess their training needs.

Due to the nature of this product and the different needs of all our users training is offered in a highly flexible format and can range from short online sessions to residential programming courses. The advantages of using 3D simulation and Eco3D are available to users of any skill level, and much of the product is intuitive with only a small amount of training required for even novice users.

Highly efficient automated production lines already making use of 3D simulation, and working to reduce their energy consumption, may wish to embark upon a program of advanced training to push their current limits.

Establishing your needs, skill level and expectations is part of the purpose of your introductory online session. All skill levels, budgets and requirements are catered for including on-line, on-site and off-site options.

Related Products

Eco3D offer a range of products to suit all requirements, additional brochures for these are available via the eco3D website.

Eco3D Professional

Similar to Eco3D Standard this software is packaged with all the Eco3D Tools. Eco3D Professional allows users to create new components from scratch or to fully customise any aspect of an existing component. Eco3D Standard can be used alongside Eco3D Professional as any layouts or components made in Professional can be used in Standard.

Eco3D Lite

This product combines two of the Eco3D tools into a stand-alone package aimed at smaller organisations to help them take the first steps towards understanding their carbon footprint and making realistic energy savings.

Eco3D Component Manager

This is an on-line service offered to product manufacturers or anyone who creates components to make their products accessible to the Eco3D user base. This allows companies to customise the data that is displayed as well as the 3D geometry of their entries in the Eco3D Component Library. This powerful, intuitive on-line interface allows for individual details to be edited or for uploads to be made in bulk.

More Information

For more information or to make a software purchase please visit the Eco3D website: www.eco3d.co.uk.