



Graphisoft-
ArchiCAD and
Ecospecifier
GreenTag are
Global
Technology
Partners

Building Information Modelling (BIM) is *the emerging productivity driver in the industry today!*

During the last decades Computer Aided Design (CAD) has been advancing in leaps and bounds. From flat 2D drawings to 3D CAD has become the tool of choice for almost every building project globally because of the time savings and other benefits it provides- such as allowing digital collaboration. In the evolution of CAD, the drawn 3D elements can now have information databases attached to them and Building Information Modelling BIM has been born. In the world of digital design comparing CAD to BIM is like comparing a horse drawn carriage to an all-terrain Ferrari.

BIM is sometimes called 4D when time is added or 'mD' as other functions are added.

BIM is the future of the building industry with the world's leading architects such as Frank Gehry, Sir Norman Foster, SOM, HOK, Woods Bagot, and renowned engineering Groups such as ARUP using BIM today in leading projects around the world as well as Governments such as the US General Services Administration and QLD Project Services.

Using BIM systems such as ArchiCAD, REVIT and others, these groups and hundreds others are using BIM to deliver dramatic cost savings in major projects.

The benefits derive when BIM is integrated with interoperability standards such as Industry Foundation Class (IFC) as it enables total transparency between different software platforms and users

This enables 'one project-one model' operation between the entire design team and all modelling requirements.

BIM allows automatic takeoff and calculation of building and element volume, area and dimensions and means information only needs to be entered once to enable the automatic assessment of a host of other functions including:

- documentation,
- energy assessment,
- buildability and clash analysis
- quantity surveying & cost analysis
- energy, thermal comfort, lighting & daylighting, ventilation and air-flow simulation
- GIS systems integration
- Structural & MEP Design
- Finite element analysis & Computation Fluid Dynamics (Cfd)
- Facilities management model and functions.

And now BIM via LCA Design also enables automated LCA of materials and buildings by facilitating the assessment of building Whole Of Life (WOL) Life Cycle Analysis (LCA).

Ecospecifier Global Greentag™ creates a conduct specific BIM for LCA Design under a global, exclusive license.

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