

## GET European visibility...

By becoming a GreenBuilding Partner, your efforts in delivering environmental sustainable buildings will get a European stage.

By participating to the joined GreenBuilding: Integrated Design Award your efforts in adopting an Integrated Design approach will be visible on a platform accessible to all European designers, developers and constructors.

**DELIVER** feasible and sustainable nearly Zero Energy Buildings...

The Integrated Design approach is a proven approach for achieving high-performance buildings with good indoor environment, such as nearly Zero Energy Buildings or Sustainable Buildings, without sacrificing architectural quality or result in excessive costs.

Integrated Design support designers in delivering buildings which satisfy occupants' needs much more than conventionally designed buildings.

## Contact and information

[iet.jrc.ec.europa.eu/energyefficiency/greenbuilding](http://iet.jrc.ec.europa.eu/energyefficiency/greenbuilding)  
[www.integrateddesign.eu](http://www.integrateddesign.eu)

### GreenBuilding Programme



### MaTrID Project



### Kindly supported by



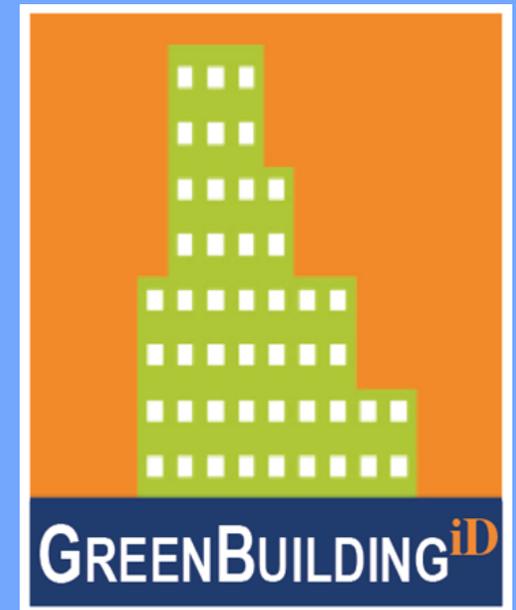
Contents\_MaTrID Project  
Date of publication\_05/2013

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# Integrated Design Award

The NEW European Award to reward the best Integrated Designs of nearly Zero Energy Buildings and Sustainable Buildings



[www.integrateddesign.eu](http://www.integrateddesign.eu)

# Integrated Design\_ID

*“Optimizing components in isolation tends to pessimize the whole system—and hence the bottom line. You can actually make a system less efficient, simply by not properly linking up those components. If they’re not designed to work with one another, they’ll tend to work against one another.”*

(P. Hawken, A.B. Lovins, L. Lovins. Natural Capitalism. 2008)

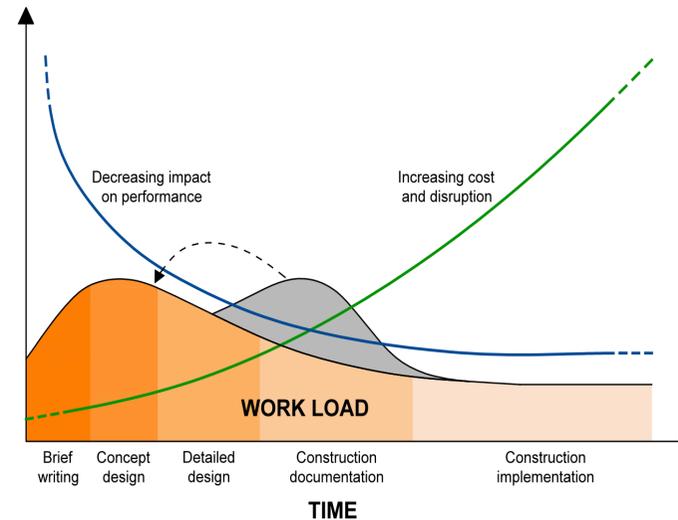


## What is ID?

ID is a design procedure that considers the building as a whole system with the aim of optimizing it throughout the lifecycle. ID can be used to reach high ambitions by developing, discussing and evaluating a scheme using a multidisciplinary team from the initial design phases. ID is a proven approach for achieving high-performance buildings with good indoor environment, without sacrificing architectural quality or result in excessive costs.

## Why should I use ID?

The ID process is derived from a proven observation that changes and improvements to the scheme are relatively easy to make at the beginning of the design process, but become increasingly difficult, disruptive and expensive as it progresses. Late improvements are also more likely to result in only moderate gains in performance compared with those implemented in the initial stages.



### Effect of ID

The effort of the team is shifted to the early design phases to improve the design and investigate a wider set of design alternatives

### Advantages of ID

Higher quality of the design, lower construction costs at equal performance, few unexpected events and litigations

## What is a nearly Zero Energy Building?

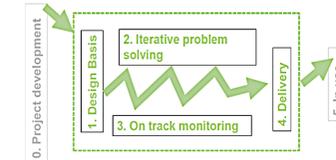
According to the Directive 2010/31/EU of 19 May 2010 on the Energy Performance of Buildings (recast), “nearly zero-energy building means a building that has a very high energy performance [...]. The nearly zero or very low amount of energy required should be covered to a very significant extent by energy from renewable sources, including energy from renewable sources produced on-site or nearby” (EPBD, 2010).

## What is a sustainable building?

According to Ji and Plainiotis (2006), a “sustainable building refers to a structure and using process that is environmentally responsible and resource-efficient throughout a building’s life-cycle: from siting to design, construction, operation, maintenance, renovation, and demolition. This requires close cooperation of the design team, the architects, the engineers, and the client at all project stages” (Ji and Plainiotis, 2006).

## Why an ID Award?

It is a specific award for rewarding and giving European visibility to outstanding ID processes. This award will contribute in spreading the ID approach, in highlighting its advantages and in showing possible and feasible ways to reach advanced building targets. The awarded organizations are allowed to use the GreenBuilding/ID Logo in their printed material, advertisement or in their headquarters.



### Overview of the ID process

Six principles to reach project’s goal/target

## Six principles of ID process

### \_0 Project development

- Discuss project ambitions, and challenge initial Client Presumptions.
- Initiate ID process, and preferably make partnering contracts.

### \_1 Design Basis

- Select a multi-disciplinary design team, including an ID facilitator.
- Analyze boundary conditions.
- Refine the brief and specify project goals.

### \_2 Iterative problem solving

- Facilitate close cooperation between team’s members.
- Use both creative and analytical techniques in the design process.
- Discuss and evaluate multiple concepts.
- Finalize optimized design.

### \_3 On track monitoring

- Use targets as means of measuring success of design proposals.
- Make a Quality Control Plan.
- Evaluate the design, and document the achievements at critical points/milestones.

### \_4 Delivery

- Goals are properly defined in tender documents and building contracts
- Motivate and educate construction workers and apply appropriate quality tests
- Make a user manual for operation and maintenance of the building.

### \_5 In use

- Facilitate commissioning
- Monitor the building over time.

For further information, please see: [\\_www.integrateddesign.eu](http://www.integrateddesign.eu)

## How to submit to the ID Award?

Submission is an open call dedicated to all public and private organizations. The GreenBuilding/ID Award is addressed to non-residential projects, which have to satisfy, at least, the requirements to participate to the GreenBuilding Programme. The yearly Award ceremony is in May and submission closes the last day of February.

For further information, please see:

[\\_www.integrateddesign.eu](http://www.integrateddesign.eu)  
[\\_iet.jrc.ec.europa.eu/energyefficiency/greenbuilding](http://iet.jrc.ec.europa.eu/energyefficiency/greenbuilding)



### Logo of the GreenBuilding/ID Award

The Green Building ID Award will be presented at the European GreenBuilding Award ceremony and recognizes the projects that best demonstrate a high application of the ID approach and that strive towards a nearly Zero Energy and Sustainable Buildings

## Who and how will judge?

A jury made of three international independent experts will evaluate all submissions.

The prizes will be awarded based on a report describing their ID process and how it has improved the delivery of the project. The submission will require the candidate to submit their design through a GreenBuilding Data collection Tool in order to evaluate their efforts according numerically. The winning organizations will receive a plate and a certificate.