

CONSTRUCTION21 AWARDS 2015 - RULES

Update: 7/5/15

Conditions to apply and rules

- All the C21 registered users could participate to the contest.
- The case studies included in the contest should be inserted with
 - o all the mandatory fields
 - o a description related to the category(ies) of the contest the building is applying to
 - o all mandatory fields linked to the category
- The winners of the past awards cannot participate with the same building or material/product.
- Each national C21 team will filter the case studies presented. They must have high energetic qualification and bring some innovation to the sector in terms of sustainability.
- The buildings and solutions applying to the contest should be replicable in other places.
- The buildings included in the contest will be presented in a specific box at the right column on the C21 case studies homepage.
- All buildings (or renovation works) must be delivered before the 30/6/15 and after the 1/1/2010.

Categories

The categories are the following:

- **Nearly Zero Energy Building**
The case studies presented at this category will be nearly zero energy buildings: *A nearly zero-energy building is defined in Article 2 of the EPBD recast as "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".* The case studies will be evaluated by the jury considering how close they are to a net zero energy building.
- **Low Energy Renovation**
The case studies presented at this category will just be renovated buildings with a high reduction in energy consumption. They will be evaluated by the jury considering the reduction in energy consumption and the way to achieve it, as well as the quality life and security improvement provided to building users.
- **Renewable Energies**
The case studies presented at this category will be buildings in which renewable energies are used in a very good way. The case studies will be evaluated by their renewable energy systems. It will be evaluated the amount of energy produced, the innovation on the systems, the efficiency of the systems and the service provided to the building users.
- **Smart Building**
The case studies presented at this category will be buildings in which smart systems are used in a good way. The case studies will be evaluated by the systems that helps the building to reduce the consumption or increase the efficiency of it, and the ability of the building to participate to the energy network balance and the service provided to the building users
- **Health & Comfort**
The case studies presented at this category will be evaluated by how they help the occupants to increase their health and comfort sensation in it, especially in terms of daylight level, indoor air quality, indoor acoustics performance or thermal environment.
- **Bio-based & recycled Materials**
The case studies presented at this category will be evaluated by the bio-sourced materials used for the construction/renovation of the building. These materials should be issued from

natural origin as wood, straw, linen, cork, hemp, sheep wool, mud brick, adobe... or recycled materials.

Jury

- National jury

Each Construction21 chapter or Awards partner, organising the contest in its country will organize its national jury with a minimum of five building experts from different kind of specialties (R&D, Public entities, ESCO, construction company, energy agency, etc.)

The national jury will select a national winner in each category. A building applying in different categories may win in each category. The national winners will constitute the nominees for the international step of the contest.

- International jury

One expert issued from each national jury will join the international jury. This jury will select the final contest winners in each category among the national nominees. A special jury price may be attributed to a building displaying outstanding qualifications in several categories.

Users' winner

Users will vote for as many case studies as they want to during the vote phases. During the national vote phase, users will vote in each country. Each user may vote on each Construction21 platform, national or international. A building may be selected only once by the same user on the national platform it belongs to. It may be selected a second time by the same user on Construction21 international platform.

The building selected by the highest number of users, regardless its category, will become the national users' winner at national level and will participate to the international vote phase as a nominee.

The users' vote is independent of the jury selection, at national or international level. A building may win both via the jury selection and the users' vote.

Rights

By applying to the contest, the applicants give permission to Construction21 AISBL, its chapters, partners and sponsors, to use all information and pictures published in the case studies for any communication actions, on line or off line.

Mandatory fields /category

To apply in each category, some specific fields will have to be filled in. If they were not, Construction21 team may suppress the application to this building to the related category.

For quantitative criteria, no minimum performance level is required to apply. But the jury will appreciate the quality of each applicant regarding each category criteria (qualitative and quantitative ones) and will select the most efficient candidates. The replicability of the solutions proposed in the buildings will be also an important criterion for the winners' selection.

Nearly Zero Energy Building

- Consumption of Final Energy In Use (all consumption)
- Breakdown for energy consumption
- U-Value
- Envelope additional information
- Building Compactness Coefficient
- Air Tightness Value

- GHG emissions at use stage

Not mandatory to apply, but considered by the jury for the evaluation:

- CEEB Cost of Energy Efficiency in Building

Low Energy Renovation

- Breakdown for energy consumption
- More information on real consumptions and performances
- Initial consumption
- Consumption gain
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- Envelope performance
- U-Value
- Envelope additional information
- Building Compactness Coefficient
- Air Tightness Value

Renewable Energies

- U-Value
- Heating system
- Hot water
- Cooling system
- Ventilation system
- Renewable systems
- Yearly production of renewable (in % of building energy needs)
- More information on renewable energy systems
- Other information on renewable energy
- GHG emissions at use stage
- Innovation name
- Innovation picture
- Producer of the innovative system
- Producer contact
- Producer website
- Product category
- Description of the innovative system
- Comments on acceptance of this innovation

Not mandatory to apply, but considered by the jury for the evaluation:

- Renewable energy systems cost

Smart Building

- Building users opinion
- Breakdown for energy consumption
- U-Value
- Explanation of Building Management System (BMS)
- Other information on BMS
- SMARTGRID
- Innovation name
- Innovation picture
- Producer of the innovative system
- Producer contact
- Producer website
- Product category
- Description of the innovative system
- Comments on acceptance of this innovation

Not mandatory to apply, but considered by the jury for the evaluation:

- Users' control system opinion

Health & Comfort

The applicant will explain in the following fields how the building can provide a high level of health and comfort to its inhabitants or workers, especially regarding daylight level, light or darkness intensity following the time of the day, relation between indoor and outdoor environment, variation of the indoor environment following nature's cycles, indoor air and acoustics quality, indoor temperature, thermal comfort for winter and summer. Quantitative measurements and technical descriptions of solutions implemented in the buildings will be appreciated by the jury.

- Owners: environmental philosophy or approach of sustainability
- Building users opinion
- U-Value
- Air Tightness Value
- STRATEGIE Indoor air quality, health & comfort

- At least one product/solution contributing to the "Health & comfort" performance
- Urban environment
- Green space in common use

Not mandatory to apply, but considered by the jury for the evaluation:

- *Indoor air quality indicator*
- *Daylight factor*
- Users' control system opinion

Bio-based & recycled Materials

- U-Value
- Eco-design material
- Any data on eco-designed material
- Innovation name
- Innovation picture
- Producer of the innovative system
- Producer website
- Product category
- Description of the innovative system
- Comments on acceptance of this innovation

Not mandatory to apply, but considered by the jury for the evaluation:

- *GHG before use (construction and product)*
- *Building lifetime*
- *Number of in use years corresponding to "before use" GHG emissions*
- *Total GHG Emissions Cradle to Grave*
- *Comments on GHG calculations*
- *Any information on GHG calculations*
- *Life Cycle Analysis*

Fields that will be considered by the jury by every category

- Project description
- Energy Performance Certificate
- Certification Scheme (if any)
- Architectural description
- Primary energy need
- Urban environment