



FOR GREEN TECH FUTURE!

Case

Topic: Green Building

Working days: 26th, 27th, 28th

Deadline: February 28th at 10 am.

Presentation: 1 h and 15 minutes of displaying and debating.

Assessment criteria: Group dynamics, level of activity, creativity, knowledge, presentation setup and visualization/ prototyping.

Main challenge: Build a co2 neutral house suitable for young families inclined to settle in a rural area (two adults and two kids). You must incorporate all four bullet points into your solution. You don't have to think about water, sewage and/or electricity supply. Nor do you have to design a floor plan – you only have to design the construction of the house based on the green building materials.

1. Design a house in co2 low or neutral materials. The roof and the walls can be in different materials. Remember that you are going to explain why you chose these materials – you might want to show the materials that you have chosen.
 - Go crazy! It is easier to scale back an idea when it's going to be carried out on the real market then to upscale an already known and maybe boring idea.
2. Implementation into society.
 - What arguments would you use to convince a young family to build your house rather than a traditional, well tested and also economical appealing house.
3. Technical challenges.
 - Mention three expected challenges in realizing the construction and usability of your house and why they are a challenge. You are not expected to present a solution - that is the challenge for the experts – you simply must let them know what issues they might encounter.
4. Visuality and display
 - Visualize your solution using the method of prototyping. You can design it all or just the important and innovative parts of it. The companies will bring back your solution for inspiration - so bring them something they don't already have!



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Important to know:

Each day your group will get a score from 1 – 5 based on the assessment criteria, group dynamics and level of activity.

All groups will make their presentation at the same time. Each group will get an assigned table from which the presentation and debating will take place. Different groups of judges will visit you and ask you questions based on their own knowledge.

Since you are working in a large group, it might be natural for you to divide the tasks. Remember that the work before a presentation is just as important as the presentation itself. If one of your group members isn't comfortable doing a verbal presentation your group should take this into consideration when dividing the work ahead.

Some of the judges might be interested in how your group has divided the work or how you have chosen to work together. Therefore it could be an idea to make a visual presentation on a paper showing the workflow. It doesn't have to be a drawing; it could also be verbally.

Your presentation must be verbal, and it must be based on your prototyping product. You will not have access to a computer and therefore you cannot make a power point presentation. Remember that your presentation is a dialog with the judges.



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