

## **2025 Design Competition Frequently Asked Questions**

1. Q: Are teams allowed to register in more than one category of the competition?  
A: Yes
  
2. Q: How many students can participate in a team?  
A: There is no max for Setty Family Foundation Net Zero Energy Design teams but there is a max of six students per team for the other categories. Project groups should consist of at least two members from an undergraduate engineering or architecture curriculum for the HVAC Design Calculations or HVAC System Selection and at least three members (architecture or construction, mechanical & electrical) for the Setty Family Foundation Net Zero Energy Design competition. Team members can be from multiple colleges. All team members must be enrolled during the semester/term in which they contribute to the design. The Applied Engineering Challenge is for a team of 1 to 6 engineering students.
  
3. Q: Are graduate students allowed to participate in the competition?  
A: Projects can be submitted by graduate students in the Setty Family Foundation Net Zero Energy Design category only. For the other categories, entries should originate from an undergraduate engineering or architecture curriculum and all team members must be enrolled in an undergraduate program during the semester/term they contribute to the design.
  
4. Q: Is a university permitted to register more than one team into the competition as a whole? For example, if I were to be a member of a registered team for one of the three team categories, but I'm also interested in the Applied Engineering Challenge while my other teams members aren't, can I partake in both?  
A: Yes
  
5. Q: Do the page limits include appendices?  
A: No.
  
6. Q: Can we change the orientation of the building to see how it would affect our load calculations?  
A: For the Design Calculation the building is set in its orientation and will not be judged if the building is rotated. However for your own benefit the team can rotate the building to see how Solar effects the building.
  
7. Q: Is it possible to get the actual location of the building? We would like to explore the use of nearby waste heat opportunities to supplement our HVAC system.  
A: The building location is Manchester, England and the ground information can be obtained through research.
  
8. Q: Are we allowed to add features to the building?  
A: For the Design Calculation the building is set in its features and will not be judged if the building has additional features. However for your own benefit the team can add those feature to the building to see how they effects the building loads.
  
9. Q: Where can we get the dimensions of the building?  
A: Teams can get the full dimensions of the building from the provided CAD drawings.

10. Q: In the drawings included with the competition information there is no site plan or information about the terrain. Would it be possible to know any information regarding the building site?  
A: No site plans will be provided for this competition. For the design calculation part of the competition, the only information they need about the site is the direction the building is facing.
11. Q: Can we change the layout, i mean the interior layout of design at Setty Family Foundation Net Zero Energy Design?  
A: Yes
12. Q: Do we get the weather data of Manchester, England?  
A: Yes ASHRAE provides weather data files for Manchester, England on the Design Competition website. You can also utilize the ASHRAE Climate Data Center and ASHRAE Fundamentals.
13. Q: Do we get the baseline model to compare our design?  
A: The base line is the building you see in the drawings plus ASHRAE 90.1
14. Q: I would like to use revit for the design calculations competition, however only AutoCAD drawings are posted. Are there revit drawings I can use?