Student Team Submission Requirements

Please submit the following as one PDF document.

- Project Team Background (up to 2 pages, single-spaced)
  - Form a team of 2 to 4 students. These students represent the project team, and will all consult on the problem.
  - The Project Team Background should include:
    - Project name, team name, and collegiate institution(s)
    - Team mission statement
    - A short biography for each team member. Include information such as major, level (freshman, sophomore, junior, senior, graduate), and other relevant background information such as experience with building science, future career goals, and formative experiences that shaped each individual's contribution to the challenge.
    - Diversity Statement (one paragraph 5-7 sentences): One of JUMP into STEM's key objectives is to encourage diversity of thought and background in students entering the building science industry. There is a diversity gap in the industry, meaning that it is underrepresented by certain groups—including, but not limited to, those based on race, ethnicity, and gender—and this gap needs to be addressed. Diversity of thought can be achieved through teams consisting of students from different majors and minors. As part of the next generation of building science thought leaders and researchers, you have a unique opportunity to influence this industry. Please describe how your team is contributing to diversity in building science.
  - The Project Team Background does not count toward the 5-page Project Challenge Submission.

- Project Challenge Submission (up to 5 pages, single-spaced)
  - Select one of the three challenges to address
  - Investigate the **background** of the challenge and consider related stakeholders. Stakeholders are those who are affected by the problem as well as those who may have decision-making power and provide solutions (technical or nontechnical, such as policies). Include any market stakeholders, such as manufacturers.
  - Write a one- to two-paragraph **problem statement,** focusing on a specific aspect of the problem and a stakeholder group affected by the problem. The stakeholder group can be from a specific location, socioeconomic status, age, or demographic (e.g., people living in subsidized housing).
  - Write a **technical solution or process** that addresses or solves the specific problem from your problem statement. Address the requirements for your selected challenge. Include graphs, figures, and photos.
  - Develop a one- to two-paragraph **technology-to-market plan** that describes how the team envisions bringing their idea from paper concept to being installed on real buildings or integrated into the design of real buildings. Include cost and benefit analyses in the technology-to-market plan. This does not need to be exhaustive and should focus on comparing the solution to current or existing practices. Benefits such as building energy reductions and improved occupant health or productivity should be evaluated.

- Appendix (optional, no page limit)
  - Teams may wish to add an appendix. This is optional and might not be reviewed by the judges.
  - The appendix has no page limit.

Please submit the following to the corresponding submission prompts on jumpintostem.org from your PDF submission.

- Abstract (up to 250 words)
    - Please include an abstract of your project. The abstract will be displayed on the jumpintostem.org website.

- Image (file size limit: 5 MB; filetype: .jpg)
    - Please submit an image that represents your project. This can be a photo or a figure from your paper. The image will be displayed on the jumpintostem.org website.