# American-Made High-Voltage Direct Current Prize Submission

## Idea Title

### Short Description

## Team Name

#### *City, state, and nine-digit ZIP code*

List key team members, geographic locations, contact info, and LinkedIn profiles

## Partners

Key project partners and organizations (if any)

#### Technical Narrative

Answer each of the following questions:

1. **Problem** – What is the problem, and why is solving it important?
2. **Solution** - What is your solution, and why will it be successful?
3. **Plan** – What is the path forward for advancement of the solution?

For convenience, these questions are provided in the headings of the tables on pages 4-6 along with suggested content (and corresponding judging statements) to help guide your responses. You decide where to focus your answers.

You should answer each of these three questions. The content bullets are only suggestions to guide your responses. You decide where to focus your answers. The individual answers to the three questions do not have a word limit; however, **the aggregate response to these three questions must not exceed 2,500 words**, not including captions, figures/graphs, or references. A word count must be included at the end of your submission. You may also include **up to five supporting images, figures, or graphs**. The reviewers will score the questions based on the content you have provided.

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| --- | --- |
| **Question 1: Problem – What is the problem, and why is solving it important?** | |
| **Suggested Content Competitor Provides**   * Introduce your team, explain how it came together, and highlight the knowledge and skills that make it uniquely capable of achieving success. * Highlight your team’s diversity and experience and the track record that makes it likely to succeed in the prize competition. What experience do you have trying new things, solving difficult problems, and overcoming barriers to bring ideas to reality? * Describe the problem, and explain why now is the right time to solve it. Be specific to the problem space that your innovative idea addresses. * Explain why existing solutions and approaches are inadequate. Be as technically specific as possible to your innovation area, providing examples where possible. * Show how you know this is a significant problem using evidence-based validation (e.g., interviews with users, case studies, literature). | **A single score on a scale of 1–6 is provided, taking the following statements into consideration:**   * The team’s track record demonstrates notable qualities such as adaptability, creativity, decisiveness, and resourcefulness. * This team is diverse and has the knowledge, experience, and determination to determine a problem and a solution, as well as a path forward for their solution. * The competitor addresses a critical problem using important metrics and a compelling analysis of why now is the right time to address it. * The competitor’s assessment of current solutions and their limitations shows a comprehensive understanding of the problem-solution space. * The competitor uses real-world evidence to validate key assumptions about industry need. |

**Response to Question 1:**

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| --- | --- |
| **Question 2: Solution – What is your solution, and why will it be successful?** | |
| **Suggested Content Competitor Provides**   * Describe how your solution is better than the existing solutions described in Question 1. * Describe your innovation in as much detail as possible. * Describe your innovation’s unique value proposition and how it will lead to widespread HVDC adoption. | **A single score on a scale of 1–6 is provided, taking the following statements into consideration:**   * The solution represents an innovative approach built on reasonable assumptions, valid technical foundations, and lessons learned from other efforts. * The competitor is pursuing an innovative and compelling solution. |

**Response to Question 2:**

|  |  |
| --- | --- |
| **Question 3: Plan – What is the path forward for advancement of the solution?** | |
| **Suggested Content Competitor Provides**   * Describe your efforts to advance your solution concept since the announcement of the prize contest, or prior, and highlight key milestones achieved. * Explain how your team’s expertise has led to the development of this idea/solution. * Describe if your team will be advancing the solution in the future. If not, what is the successful path forward for this solution? | **A single score on a scale of 1–6 is provided, taking the following statements into consideration:**   * A considerable amount of high-quality effort was put into defining and advancing the proposed solution. * This team has a viable plan to advance the idea/solution and/or has provided evidence that there is a viable path for the advancement of this solution in the energy market. |

**Response to Question 3:**

## Supplementary Information

### Three question narrative word count: \_\_\_\_\_\_\_ total words

**Letters of Support or Commitment (Optional)**

Attach one-page letters (of support, intent, or commitment) from other relevant entities to provide context. Letters of support from partners or others that are critical to the success of your proposed solution will likely increase your score. General letters of support from parties that are not critical to the execution of your solution will likely not factor into your score. Please do not submit multipage letters.

**Please read and comply with additional requirements about your submission in** [**Appendix 1.**](https://www.herox.com/hvdcprize/resource/1165)

**COMPETITORS THAT DO NOT COMPLY WITH THESE REQUIREMENTS MAY BE DISQUALIFIED.**