

Offshore Power Portal: A Web-Based Repository to Improve Offshore Wind Knowledge Dissemination

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INTRO

- There is a lack of public understanding about offshore wind energy. With this web-based knowledge portal, an easily accessible resource has been created to aid the improvement of offshore wind education targeted towards the general public.

METHODS

1. Website Development: The webpage was created using HTML, CSS, and JavaScript within Visual Studio Code and is to be deployed using AWS.
2. Evaluation Survey: To test the webpage's usability, a survey regarding User Interface (UI) design was conducted. Respondents were asked to answer questions about overall UI design, user-friendliness, and level of offshore wind knowledge.

RESULTS

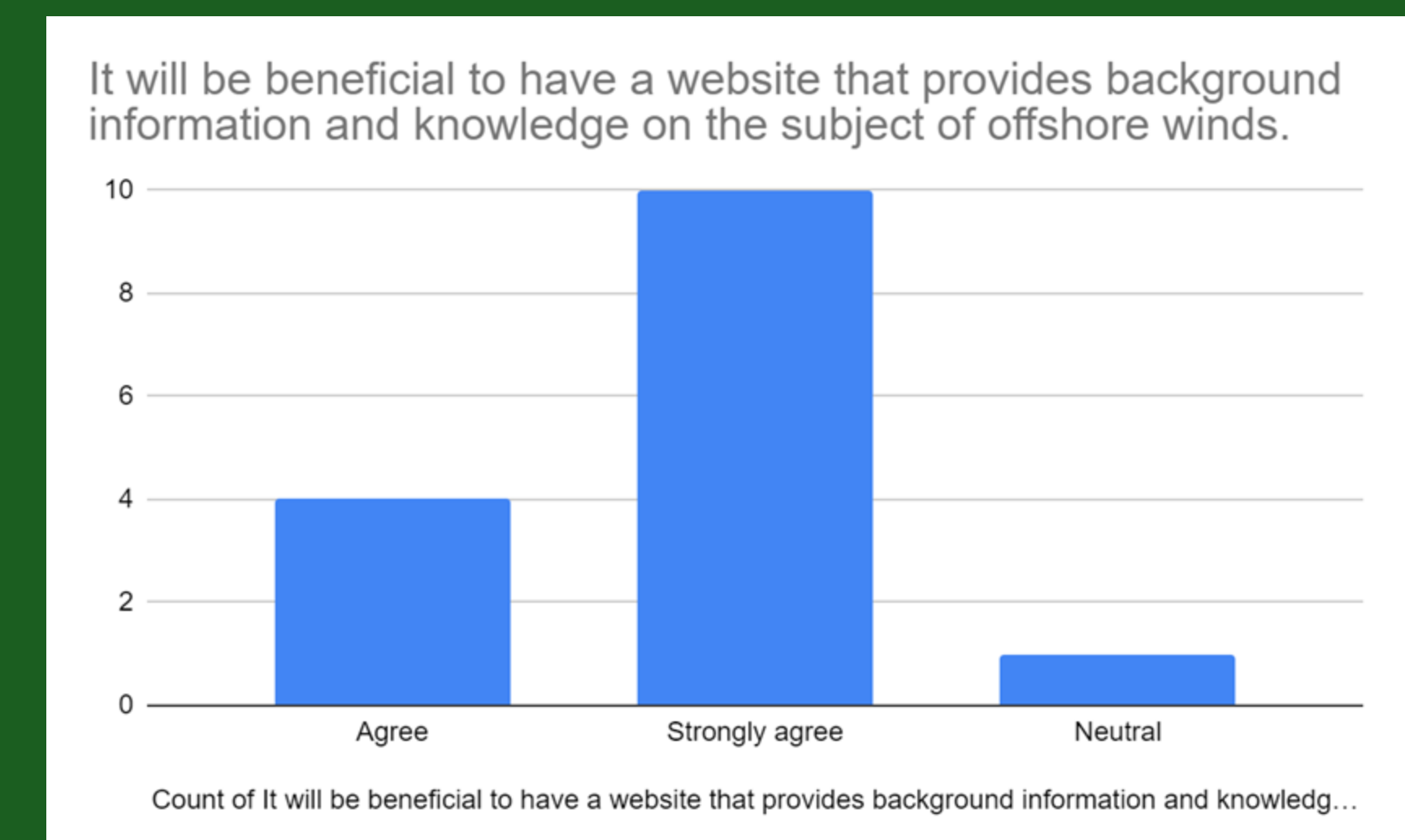
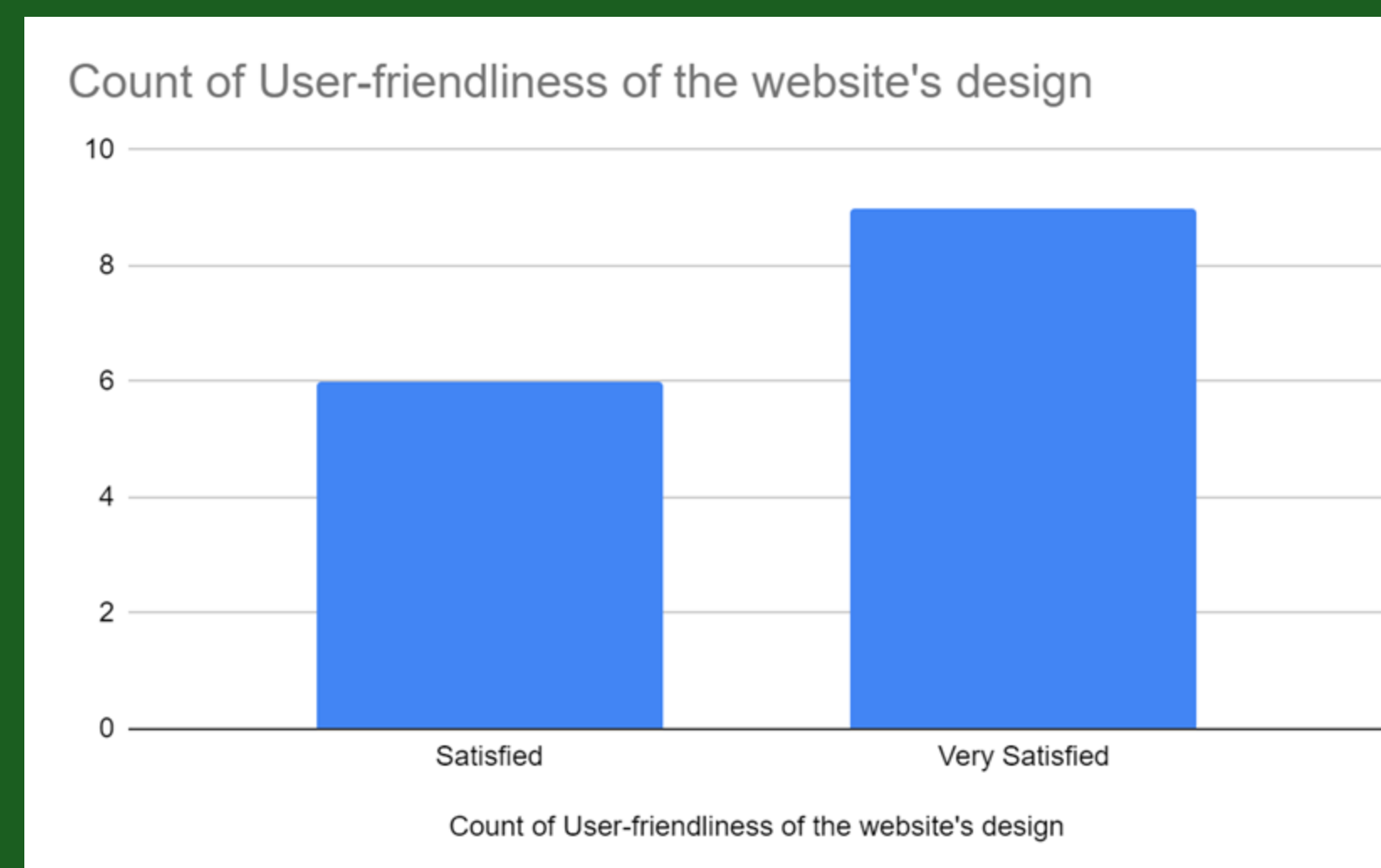
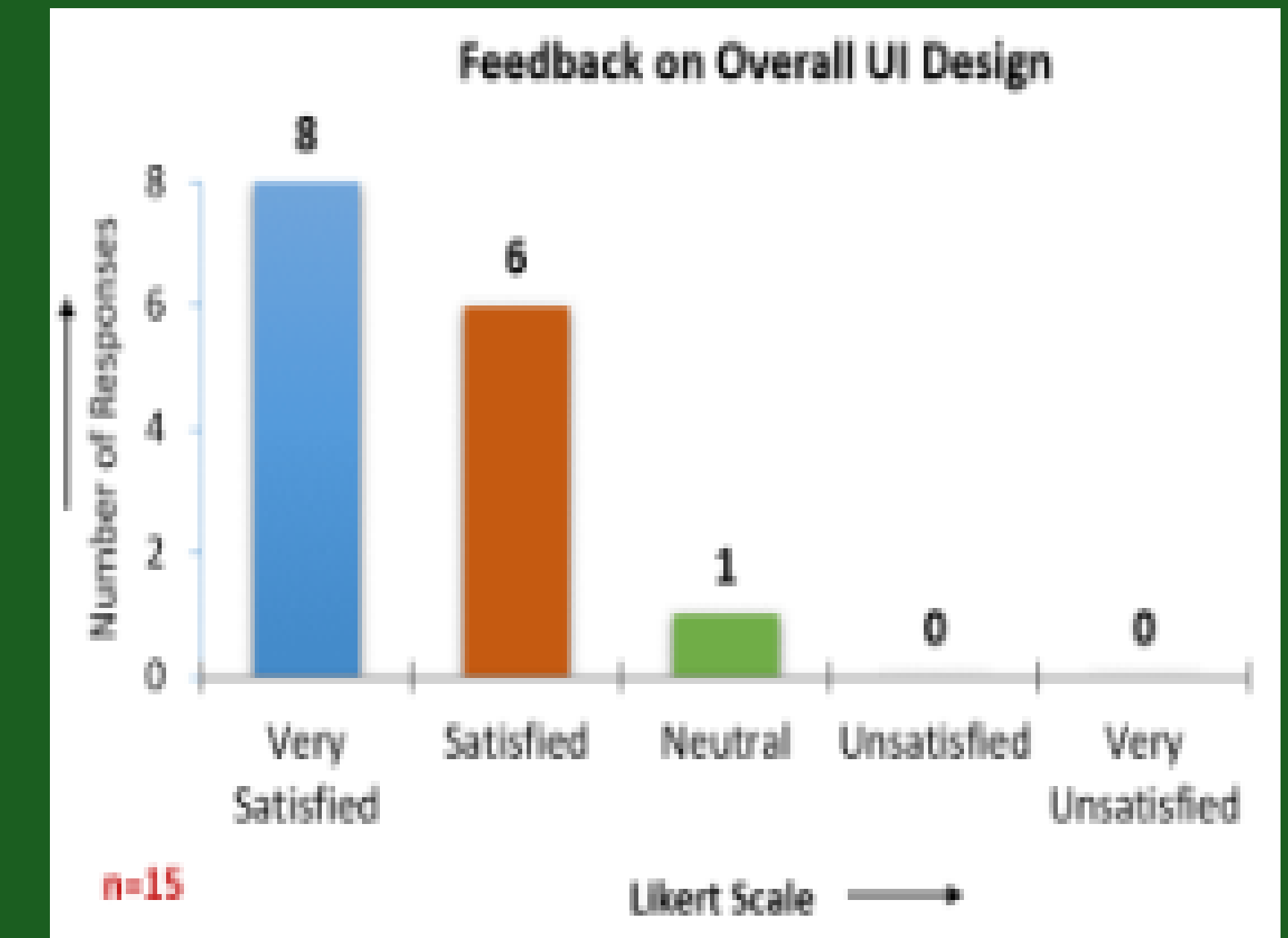
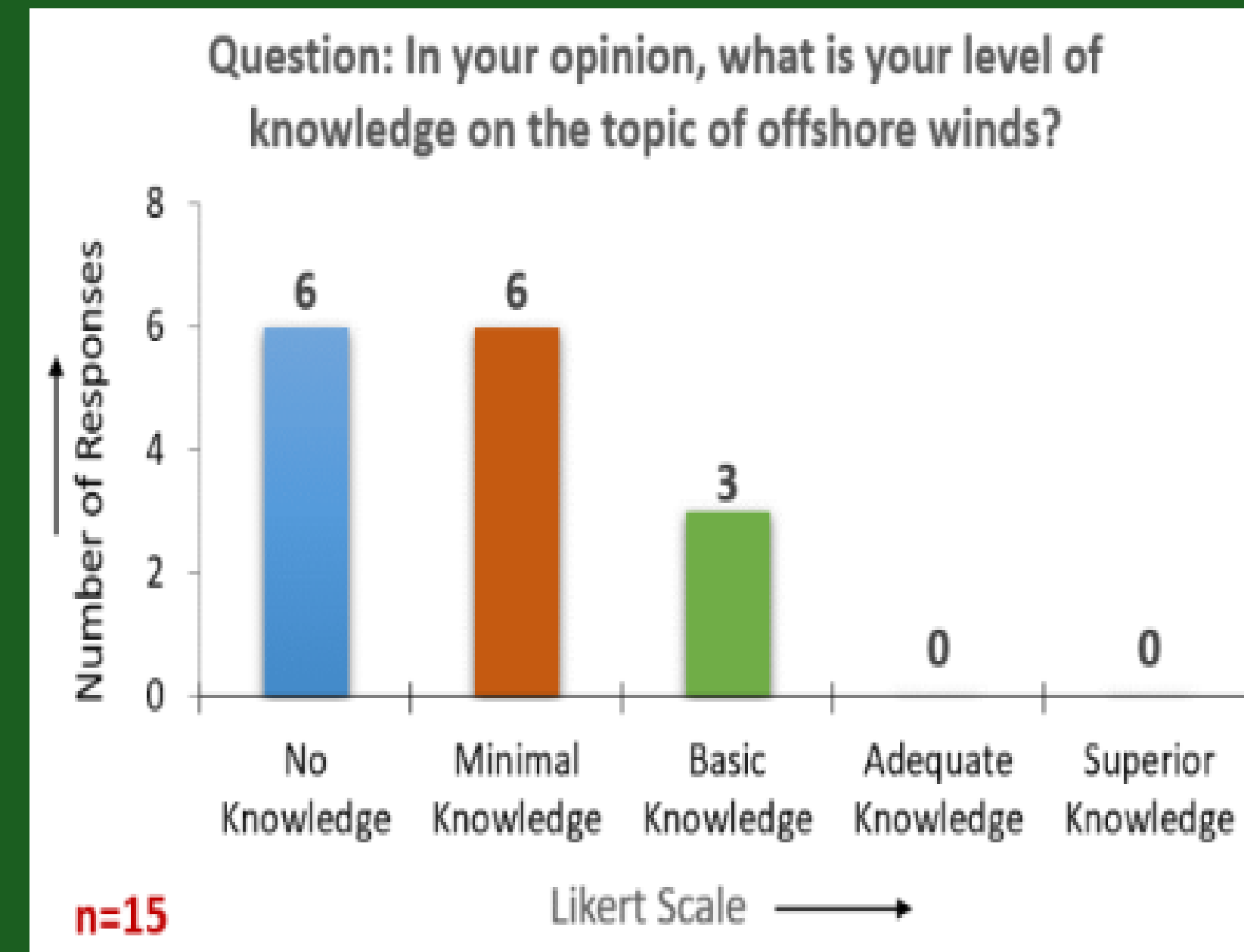
- 60% of survey respondents had minimal to no knowledge about offshore wind and of the total respondents, about 93.4% found it beneficial to have a website that provides information on the subject of offshore wind. In addition, about 93.3% of respondents were satisfied or very satisfied with the overall design of the website.

DISCUSSION

- The Offshore Power Portal website is almost completed and will soon be deployed using AWS. Additionally, a large scale public perception survey is to be conducted to gauge public attitudes towards offshore wind farms.

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