



SIMULWIND: maintenance SIMULator for the sustainability of European WIND farms

Project n° 2017-1-DE02-KA202-004261

Report Multiplier Event
Husum, Husum Wind Fair and BZEE Academy office,
10th-13st September 2019

Introduction

We held our multiplier event within the framework of the wind fair Husum Wind in order to present the project SIMULWIND to as broad a public as possible. On a total of 4 days we were able to draw attention to the simulator at our booth and give interested visitors the chance to actively try out the simulator at our office in Husum.

Participants

Due to the presence at one of the world's leading wind fairs, we were able to draw the attention of participants from all sectors of the industry to the simulator. Participants from the manufacturing, operator, maintenance & service, training and supplier fields actively tested the simulator and gave their feedback.

The event

Participants were picked up in small groups (up to 4 persons) from the fairground and driven to our office in Husum. We were able to win a partner from the field of electromobility (GreenTec Campus) who drove the participants with electric cars to the venue.

Firstly we briefly introduced the Erasmus+ project and the participating companies. Then we presented the simulator and its possibilities. Lastly, the participants were able to try out the simulator on-site and run through a first maintenance scenario. While one participant tested the simulator, the other participants were able to observe the procedure on a screen. Finally, we talked to the participants about their first impressions of the simulator and discussed their suggestions and recommendations.



Evaluation and conclusion

Overall, the simulator was very well received. It was regarded as a useful supplement to theoretical training and educational content. The participants agreed that training with the simulator alone was however difficult.

It was also noticeable that older people in particular found it more difficult to operate than younger people with an affinity for technology. This assessment was often made by older people (see third bar in figure 1, in total only 4.1 from 5.0).

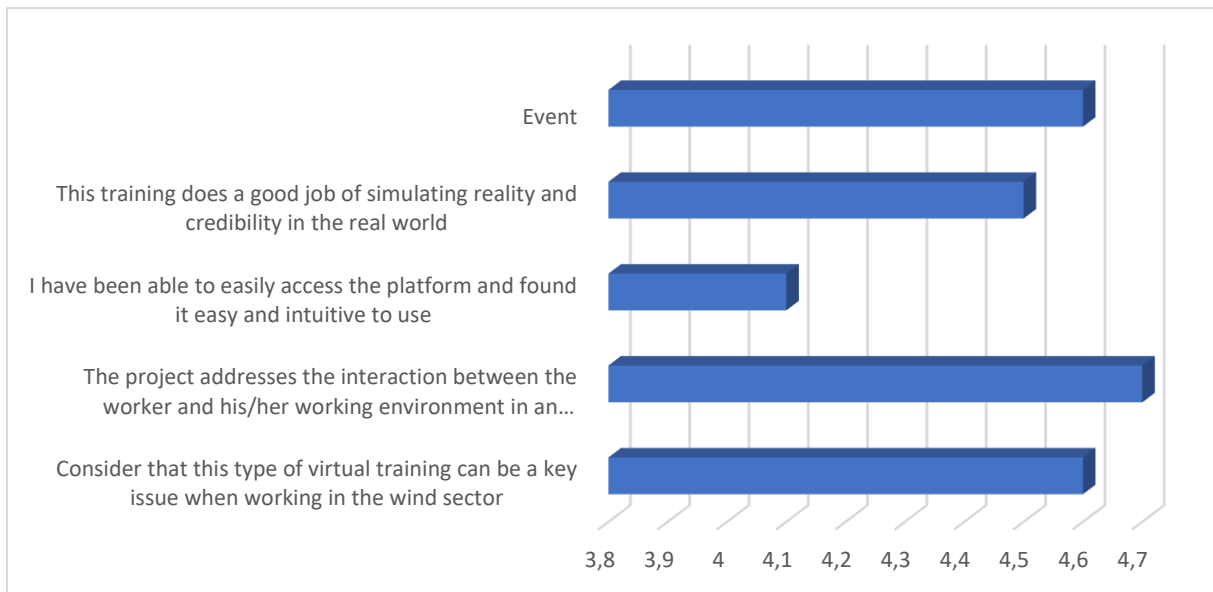


Figure 1: Selected evaluation results

In many cases the event participants hoped there would have been several different scenarios for the multiplier event as the final participants of the group were often bored. It was often mentioned that it should be as easy as possible to add more scenarios to the simulator and that it should also be possible to easily modify existing scenarios or add random elements so that it is not just a case of "working through" a scenario.

Suppliers in the wind industry also showed an interest in working on the simulator in order to integrate their components and materials into the simulator.