

Wind Energ. Sci. Discuss., referee comment RC1  
<https://doi.org/10.5194/wes-2021-29-RC1>, 2021  
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## **Comment on wes-2021-29**

Athanasios Barlas (Referee)

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Referee comment on "Land-based wind turbines with flexible rail-transportable blades – Part 1: Conceptual design and aeroservoelastic performance" by Pietro Bortolotti et al., Wind Energ. Sci. Discuss., <https://doi.org/10.5194/wes-2021-29-RC1>, 2021

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The article presents an interesting and comprehensive study on design optimization of land-based wind turbines with flexible rail transportable blades. Despite possible modelling fidelity limitations, the work is well written and provides good scientific insight in the explored concepts. Detailed comments are provided in the attached pdf file.

Please also note the supplement to this comment:

<https://wes.copernicus.org/preprints/wes-2021-29/wes-2021-29-RC1-supplement.pdf>