Wind Energ. Sci. Discuss., referee comment RC1
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Comment on wes-2021-42

Anonymous Referee #1

Referee comment on "Effect of individual blade pitch angle misalignment on the remaining useful life of wind turbines" by Matthias Saathoff et al., Wind Energ. Sci. Discuss., https://doi.org/10.5194/wes-2021-42-RC1, 2021

The paper under review presents results of a measurement campaign on the prevalence of pitch misalignment in operating win turbines and of a numerical case study to assess effects of pitch misalignment on the RUL of structural components. To the reviewer's knowledge this study is unique and provides novel and relevant knowledge on prevalence and effects of pitch misalignement.

The overall quality of research is high. The state-of-the-art is reviewed thoroughly and relevant references on academic studies and industrial practices are included. The methodology of the numerical case study is in accordance with best practices in aeroelastic simulation and RUL calculation and is presented concisely. The author's conclusions are supported sufficiently by the presented data.

The paper is accepted as is.