

Interactive comment on “Advanced CFD-MBS coupling to assess low-frequency emissions from wind turbines” by Levin Klein et al.

Anonymous Referee #3

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The authors performed an exceptional study on the low-frequency emissions from a conceptual 5MW wind turbine by means of a coupled CFD-MBS approach. Simulations were performed by progressively increasing the level of complexity. This allowed to understand the influence of various aspects on the resulting acoustics emissions. Starting from a rigid simulation of the rotor-only geometry, the authors have accounted for the presence of the nacelle and tower, the flexibility of the structures and the properties of the incoming flow. The quality of the work is very good and the paper is very well presented and written. The analysis is clear, accurate and very useful for the scientific and engineering community. The numerical effort is significant and the approach adopted for the computations is good.

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