



1001VELA^{cup} DESIGN CONTEST 2020

Entry:
LINNEA



The team :

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The jury evaluation:

Grado di innovazione

Innovation degree

<<The project presents a very innovative approach to adapt the existing hull with a new foil concept. The foil concept enables a foiling even in a low wind. An approach for a mechanical control system based on a dual wand design was developed. This control system will enable an efficient foiling and increase the boat stability.>>

<<Innovative rig design, innovative Foil design within the old class rules 40/50>>

<<9 su 10 – 9 on 10>>

<<Very interesting the solutions about the VPP and the active control system of the foils.>>

<<5/5 -The project itself is quite innovative as such a flight architecture is for sure unusual if not even unique. Moreover the designing process is very modern as it does not rely in any part on a try and fail approach. Tools developed for the design optimization as the DVPP and the simulator are in our opinion at the state of the art.>>

Completezza e livello di approfondimento progettuale

Thoroughness level of the project

<<The project team has applied all the necessary design and manufacturing methods to develop an innovative approach. Especially, the adaption of the Velocity Prediction Program (VPP) on the demands of this project demonstrates the thoroughness of the project implementation >>

<<Very detailed documentation on many design aspects 50/50>>

<<Studio interessante e approfondito per quanto riguarda i foils.



Intresting and in-depth study about foils (translated by the editor).>>
<<Very complete description of the information concerning theory, design and test with numerical and analytical methods with regards to the foiling.>>
<<5/5 - Project is vastly described with particoular focus to the design spiral process of the design optimization, despite that by reading the report some information are not revealed probably both for concinnity and confidentiality reasons. Over that it would be interesting to see the scripts running the simulator or the DVPP. >>

Qualità della rappresentazione del progetto
Project's quality of representation

<<The project presentation is very comprehensive, structured and professional. This work can be used as good-practice for further teams within the 1001VELAcup competition>>

<<Detailed documentation, good representation 45/50>>

<< Buona impaginazione ed esposizione chiara e semplice del progetto. Good layout and clear and simple exposition of the project (translated by the editor).>>

<<The report is quite long. The quality of representation is good and the brochure reassume quite well the main points of the report.>>

<<5/5 - The techincal report despite being quite analytical gets mostly the difficult target of being simple to read and clear. The brochure is very rappresentative and simple while giving a nice overall sight of the project. >>

Ranking :

1st

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