



1001VELA^{cup} DESIGN CONTEST 2020

Entry:
Shard



Sup. Velica Tot.	13 m ²
Sup. Randa	9,5 m ²
Sup. Fiocco	3.5 m ²
Sup. Gennaker	13.5 m ²
E	2278 mm
P	6052 mm
J	1566 mm
I	4298 mm
Avanzo	59 mm
Altezza CE	3783 mm
Altezza albero (da LC)	7320 mm
Ordini di crocette	1
Rake albero	3°
Lunghezza bompresso	1090 mm
Numero trapezi	1



The team :

Alberto Brioschi

Davide Papapicco

The jury evaluation:**Grado di innovazione****Innovation degree**

<<The provided project documentation is written in Italian. Thus, the content in terms of innovation cannot be Evaluated.>>

<<Classic design, designed with buildprogress in mind 30/50>>

<<With a total sail area 26.5 m² and only one trapeze, the dinghy does not seem to be designed to the R3 rule. It would not stand a chance against competitors that exploit the max sail area and max stability. A large part of the information concerns VR Coach, which is a Garmin system, developed in cooperation with the university (which one?). What did the university contribute? No percentage given of bio/natural/recycled/recyclable material, so it is not known if the design qualifies.>>

<< Standard design of the boat but interesting the VR coach system.>>

<<4.5/5 - The idea of monitoring data during navigation is brilliant and can lead to a markable increase of performances from both boat concept design and sailors operations. Also the graphic interface of the VR coach device is quite simple and intuitive. >>

Completezza e livello di approfondimento progettuale**Thoroughness level of the project**

<<Based on the project presentation, it seems that the project team has worked methodically and Systematically.>>

<< Seems to be planned in detail, no information about design decisions 35/50>>

<<The internal structure as well as the general layout and sail plan are well documented in the form of drawings, but there is no information on the background. How was the structure obtained? FEA computations? How was the hull shape obtained? CFD? There are polar plots shown. How were these obtained? VPP?>>

<<Not many information about the design and the tools used to test the boat.>>

<<3/5 - The building project design is well illustrated. The technical drawings are clear and detailed, but there is no explanation of how design choices have been taken. >>

Qualità della rappresentazione del progetto

Project's quality of representation

<<The project brochure has high quality and well structured. However, the English version is missing for international evaluation.>>

<<Description just in Italian, very nice design, more information about "partner product" than about the boat itself, but hard to retrace because the text is in Italian 20/50>>

<<Very professional brochure (in Italian!), unfortunately without important information about hydrodynamics, structural analysis, performance prediction. VR Coach seems to be a most useful system for training and performance optimization of the crew>>

<<Probably the best graphical design of the report, very intuitive.>>

<<4.5/5 - The project is well presented and it contains all the details in a unique presentation. The explanation of some slides is minimalist and effective>>

Ranking :

5th

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