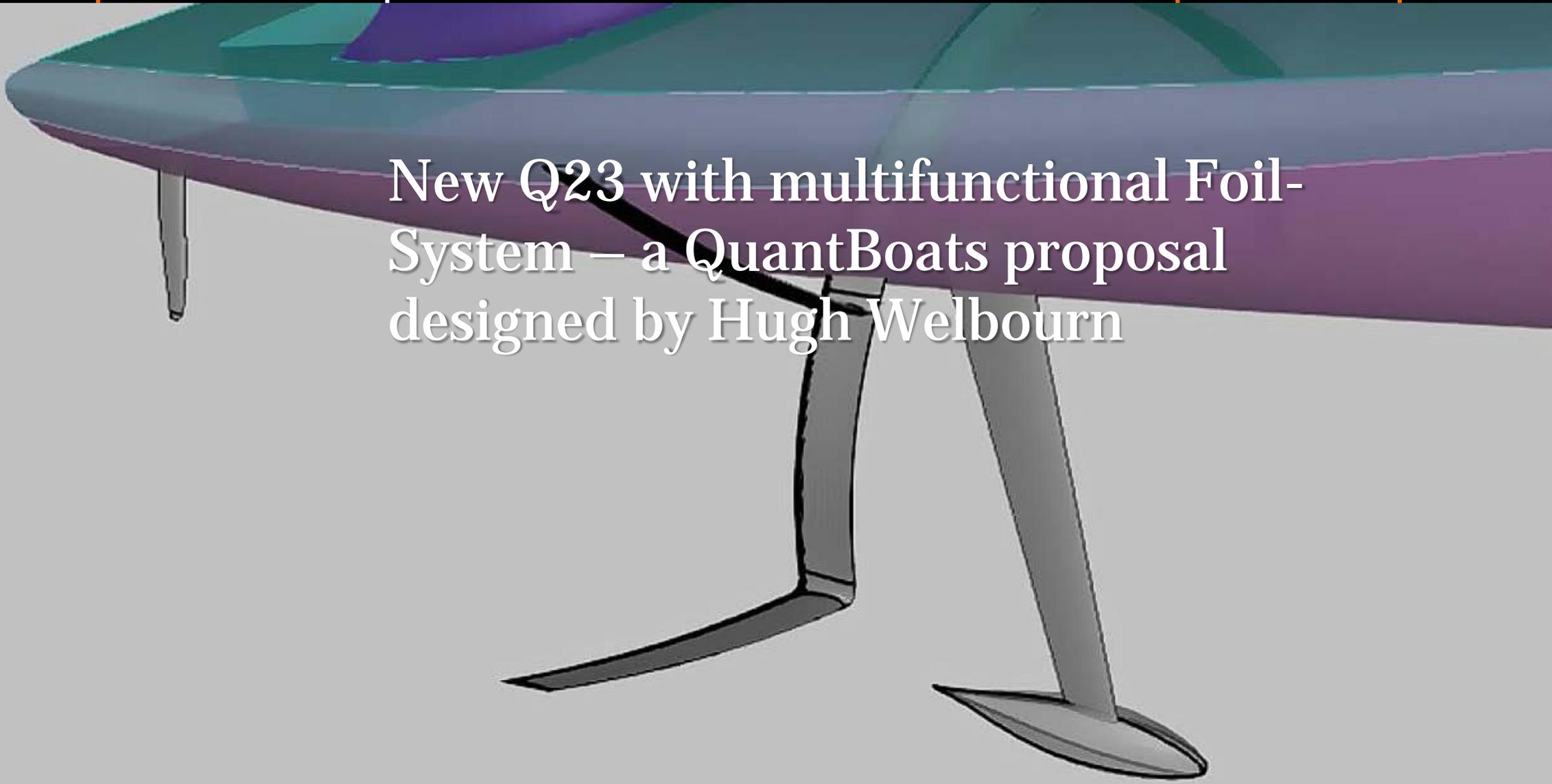


QUANTBOATS

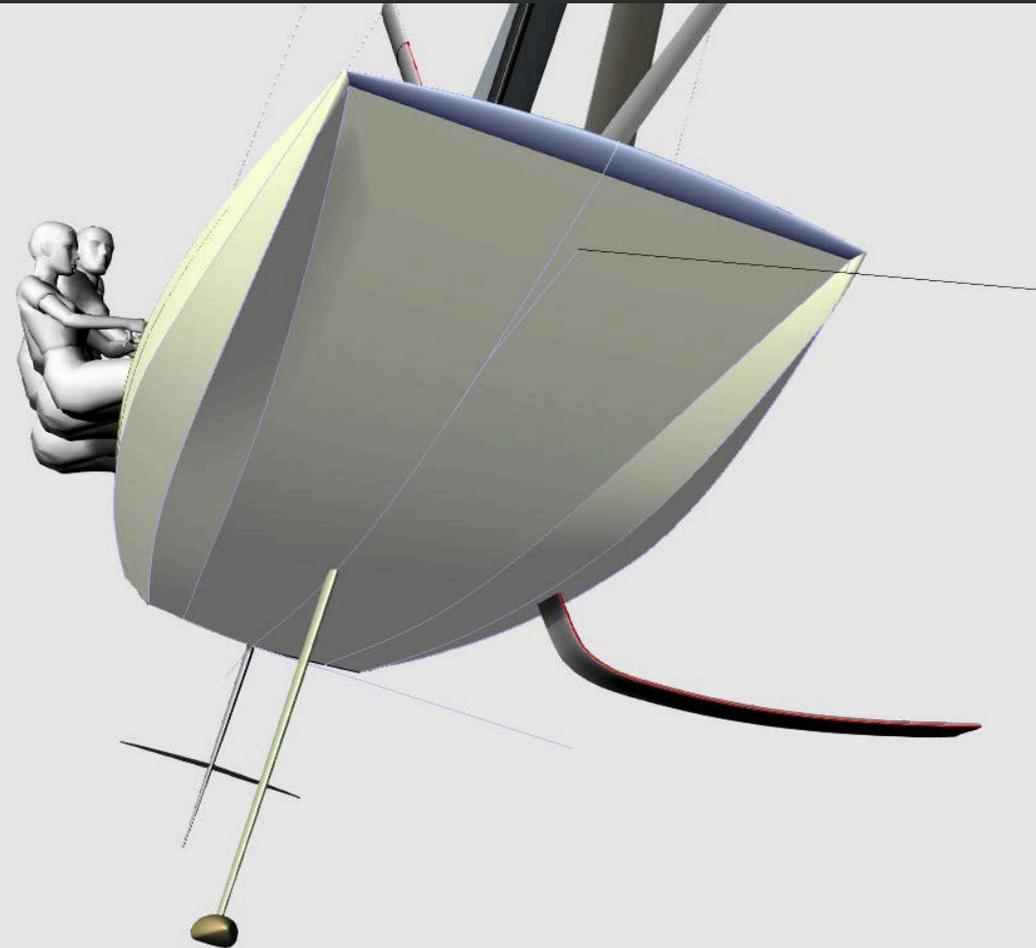
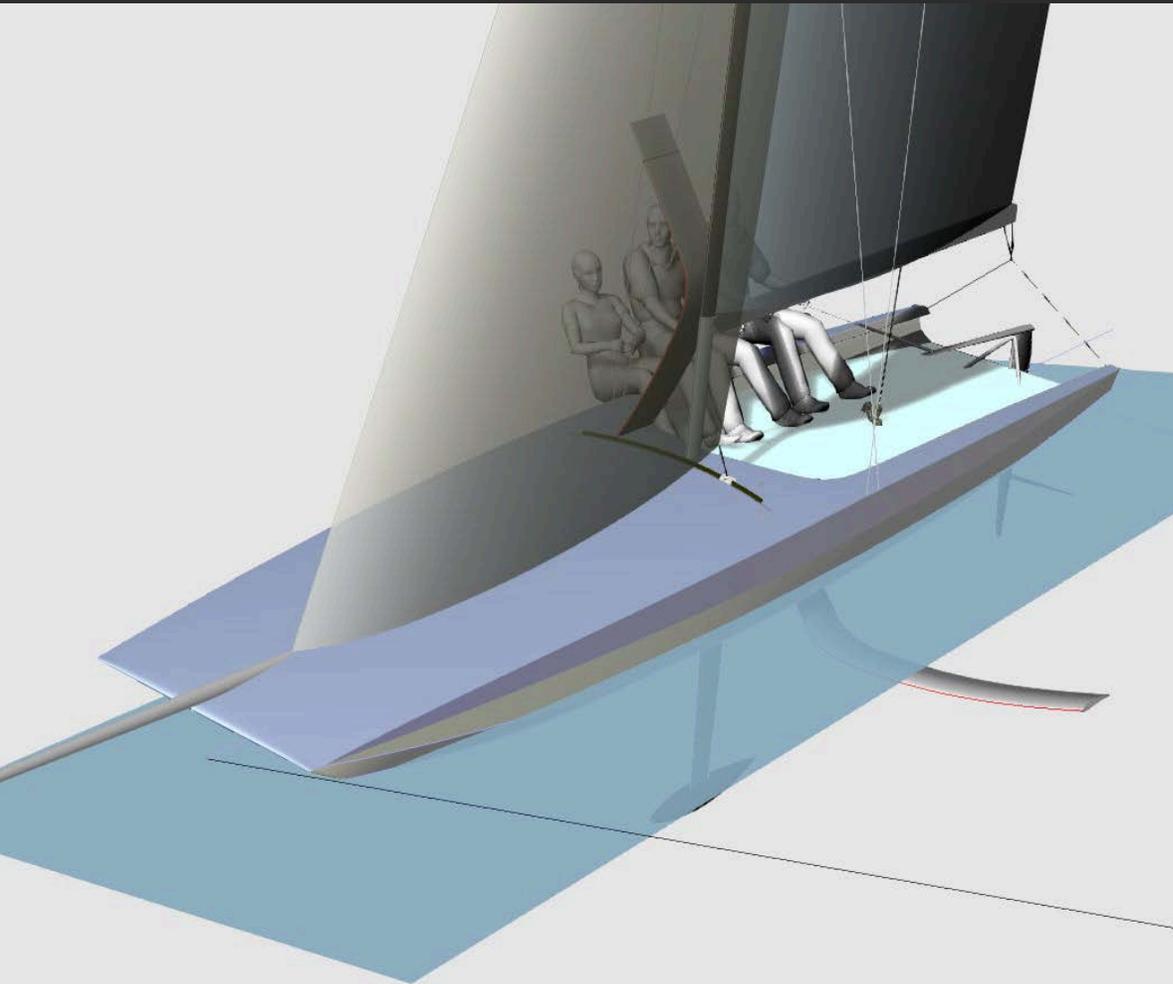
New Q23 with multifunctional Foil-System – a QuantBoats proposal designed by Hugh Welbourn



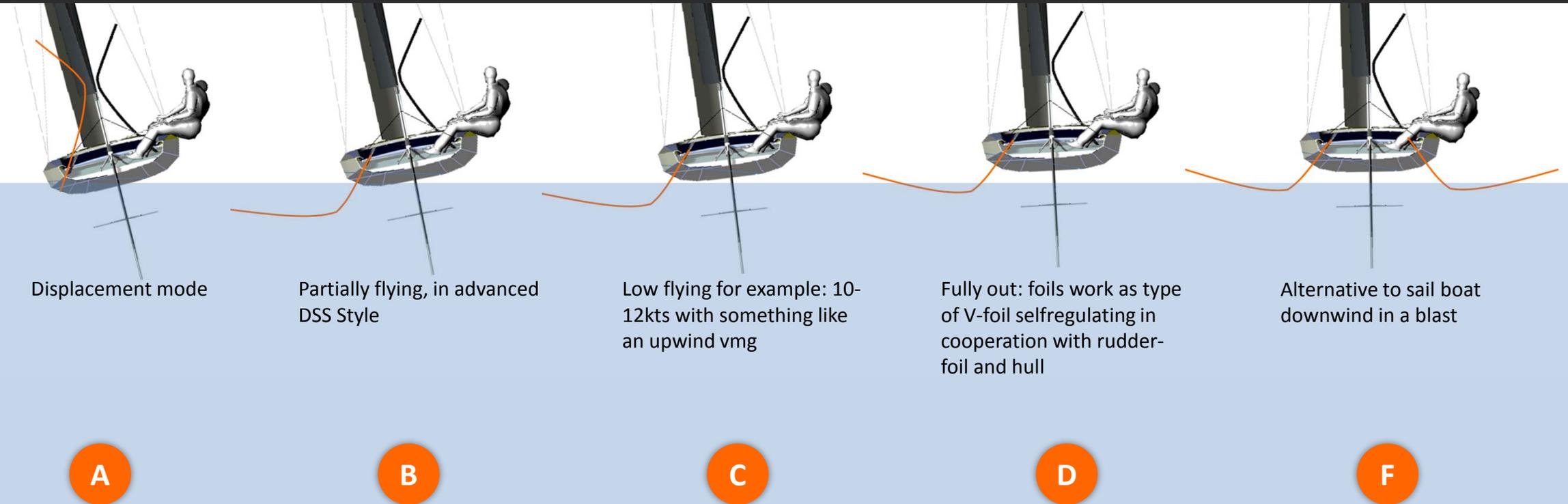
## Quant23 with multifunctional foil-system

- Foiling boats of today generally lack of righting moment. Most of them are very instable and therefore not really suitable for «normal» amateurs and for fun-sailing
- Lack of ease in handling and complexity (very costly and vulnerable as well) on land and while sailing, makes most of the existing foiling crafts something just for «pros»: THE Q23 TRIES TO CHANGE THIS
- It won't be the fastest boat on foils but currently one of the few, on which foiling speed will be a relatively easy to achieve and more enjoyable experience, as boat should do it by itself in a way as long as crew doesn't make too bad mistakes....
- ....other than on centreline type of boats where crew has to subdue a totally instable system once up on blades
- The Q23 also will be able to benefit of the foils when wind or course doesn't allow full flying: Partially flying, with just a minimum of hull in the water, will be possible thanks to the retained DSS foil functions – this is ANOTHER AND OUTSTANDING PLUS of this new QuantBoat, competitors cannot offer at the time
- VERSATILITY: the boat can be sailed also without foils (>very light conditions), spending a lot of fun and speed also for relative beginners and this also includes the possibility to race this boat in any sportsboats-event worldwide.

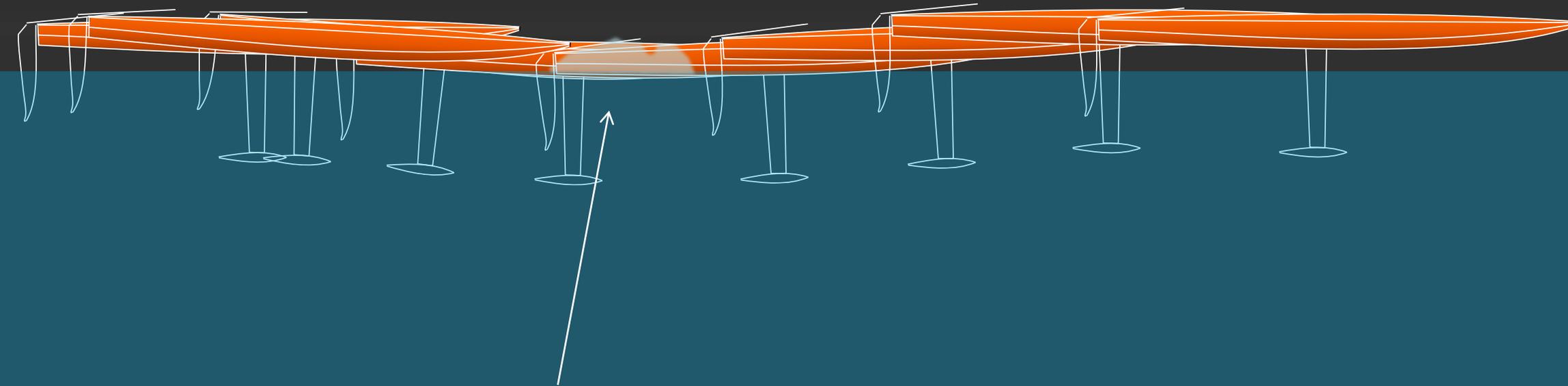
## Q23 – the first Quant to fly



## From displacement mode to «full throttle»

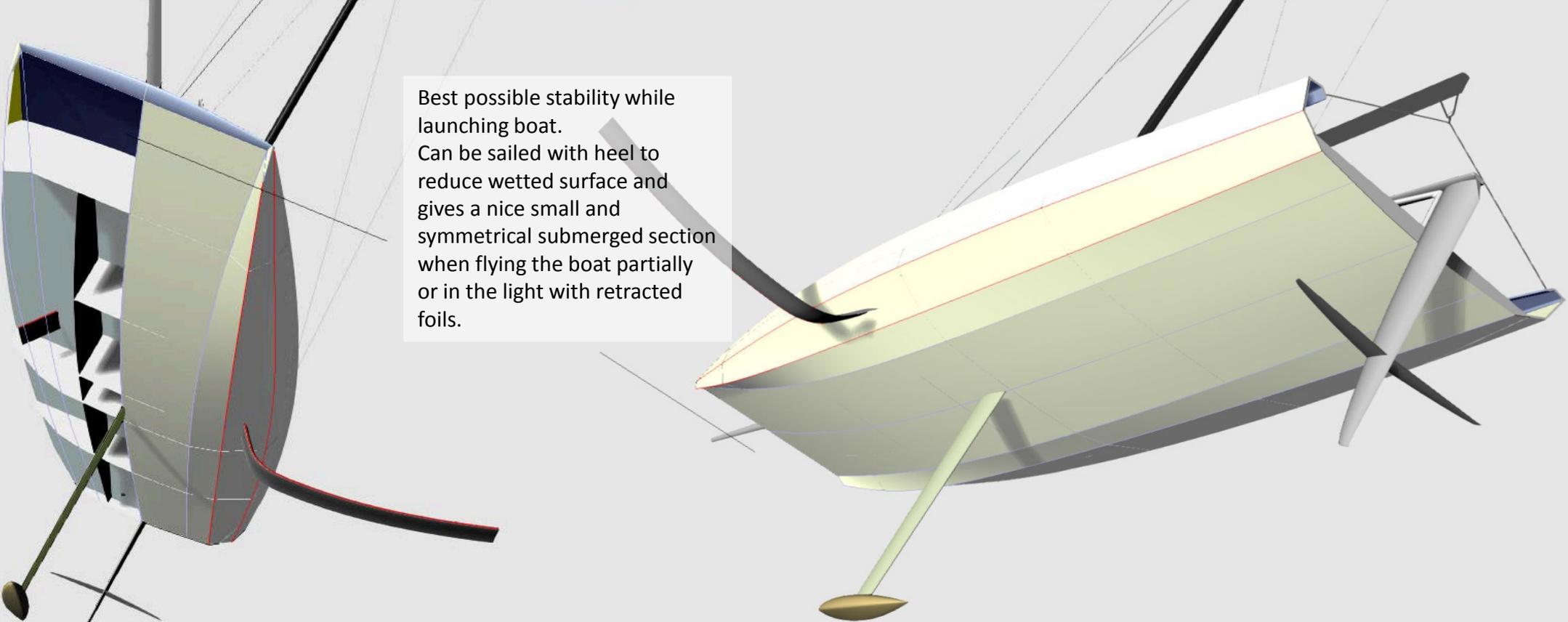


## Why Scow?



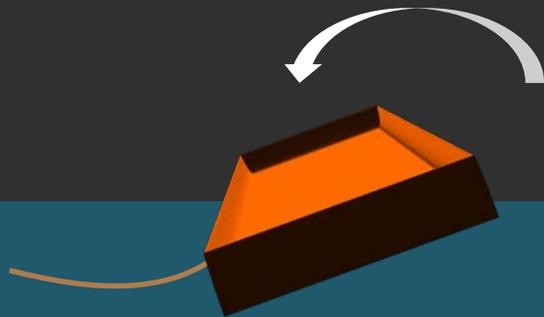
Animation above: Boat will be a low-flyer (compared to boat-length and compared to all the centreline concepts). Hull-shape helps to get boat back in position (little bounce, with some spray) once out of balance. Huge volume of front boat section and flat angle, provided by this specific hull shape, helps to bring back the boat in a position to make foil working optimal (perfect angle of attack).

## Why Scow?



Best possible stability while launching boat.  
Can be sailed with heel to reduce wetted surface and gives a nice small and symmetrical submerged section when flying the boat partially or in the light with retracted foils.

## Why Scow?



Explanation: Scow is just healing and not going on its bow during acceleration in a gust. Contrarily to more skiffy type of boats. Angle of attack of foil on Scow more or less keeps the original position where it works best. Skiff in a gust has to recover: to do that you have to bare away, open the sails accelerate and as soon as boat is upright and fast enough you may sail a higher course again. The Scow shape will help to sail a more straight course and less working on the sails also thanks to the best possible stability this hull shape offers. Boat is very light (7m, 270kgs) and foil size and profile are designed to make the boat foiling in comparably light conditions also to benefit the most of the apparent wind.

# QUANTBOATS

First of all a fun-boat!



We of course are well aware of the fact, that this step has a more experimental character, compared to what we've done before. Therefore we do not publish anything before having had the opportunity to really test what we has set up.

**IT IS FOR YOUR EYES ONLY AND WE WILL TELL YOU WHEN THE TIME HAS COME FOR PUBLISHING AND FOR OPEN UP A DICUSSION!**

**THANK YOU.**