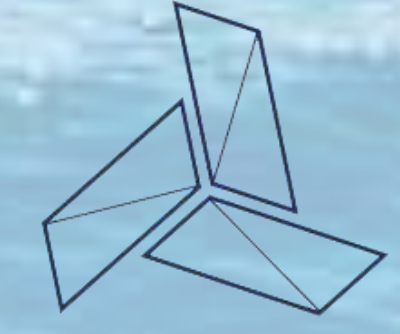


UCL Racing HydroContest Team 2018

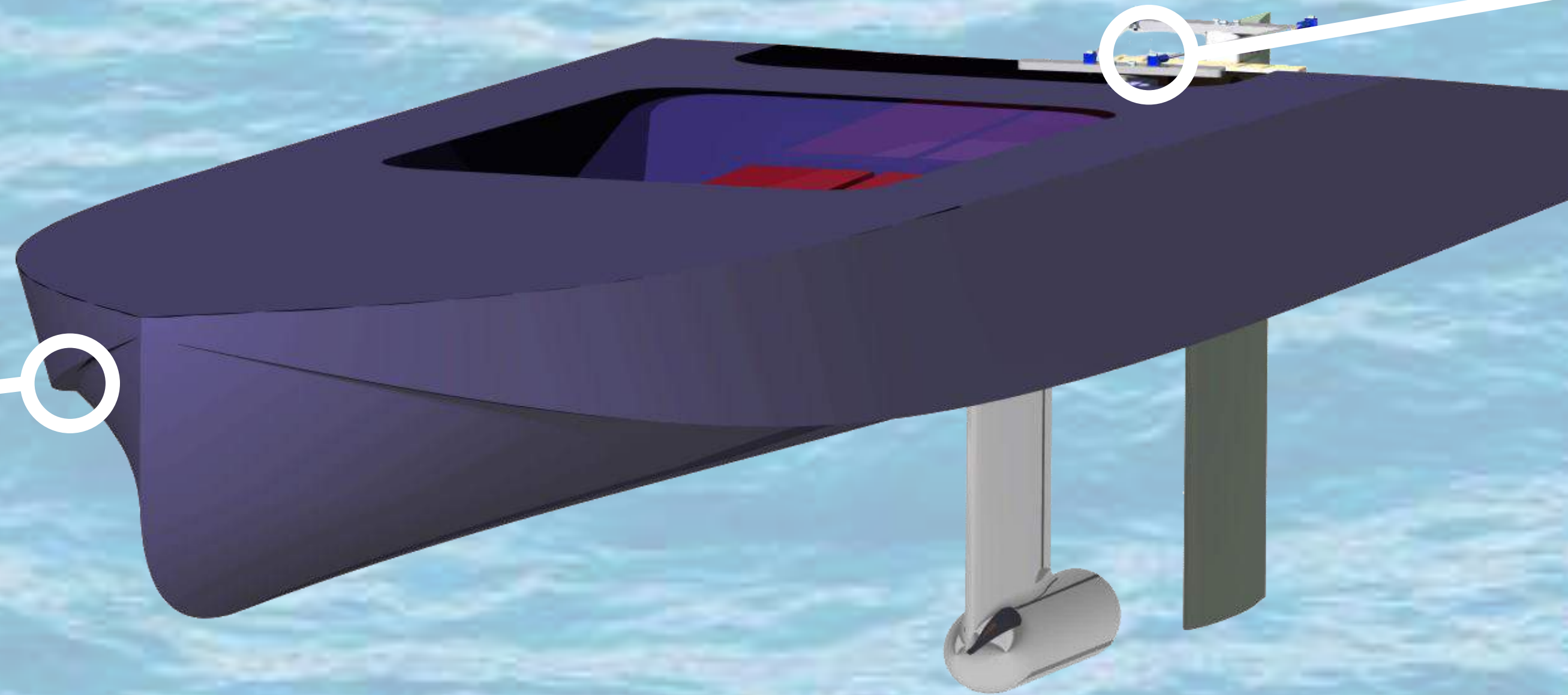
Supervisor: Prof. Giles Thomas

Anton Romare, Fergus Stewart, Frederick Panks, George Lundy,
Joanna Tomlin, Marcus Wilcock, Ratik Mahajan, Wafa Elahi & Yi Zhong



HYDROCONTEST

LUCILLE THE LIGHTWEIGHT



RESISTANCE

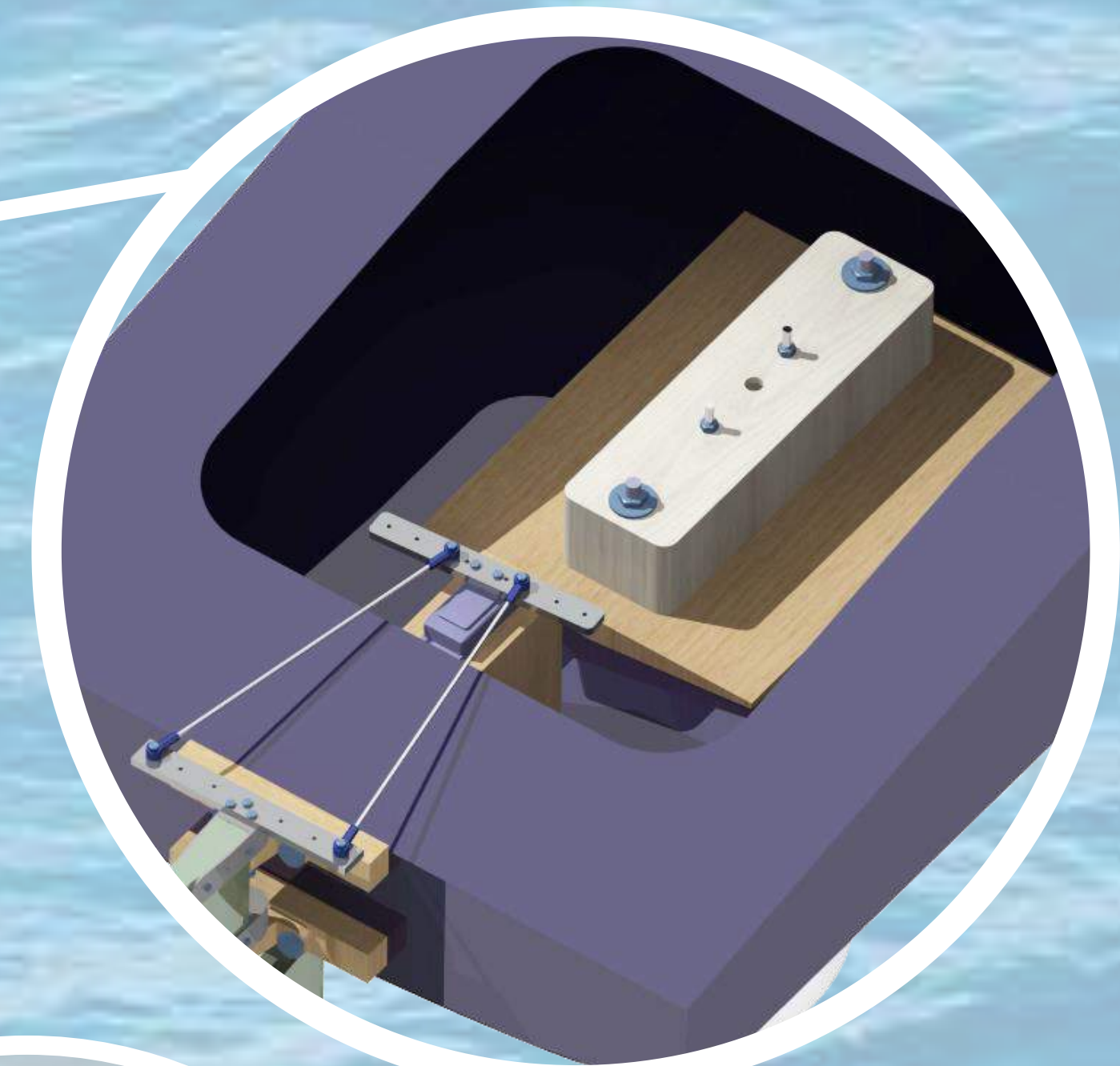
New hull design reduced resistance by 27% allowing speeds of up to 5.5 ms^{-1} (11 knots)

MATERIAL

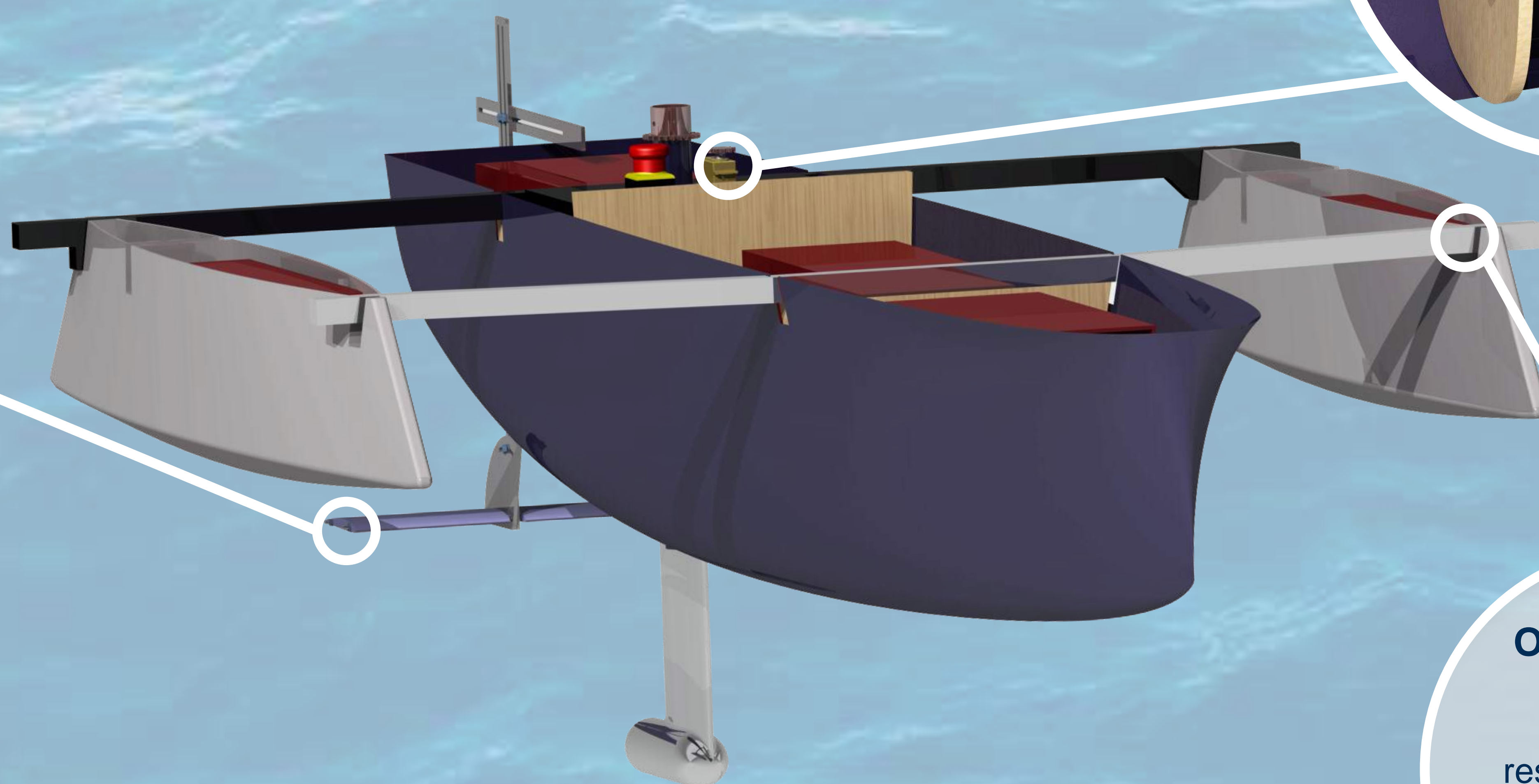
Okoumé wood core with a carbon fibre skin maintained high strength and a reduction in lightship mass of over 50%

STEERING

Push - rod and sprocket - chain systems allow rudder sensitivities of 1.75 and 3.49 rads^{-1} respectively



HEATHER THE HEAVYWEIGHT

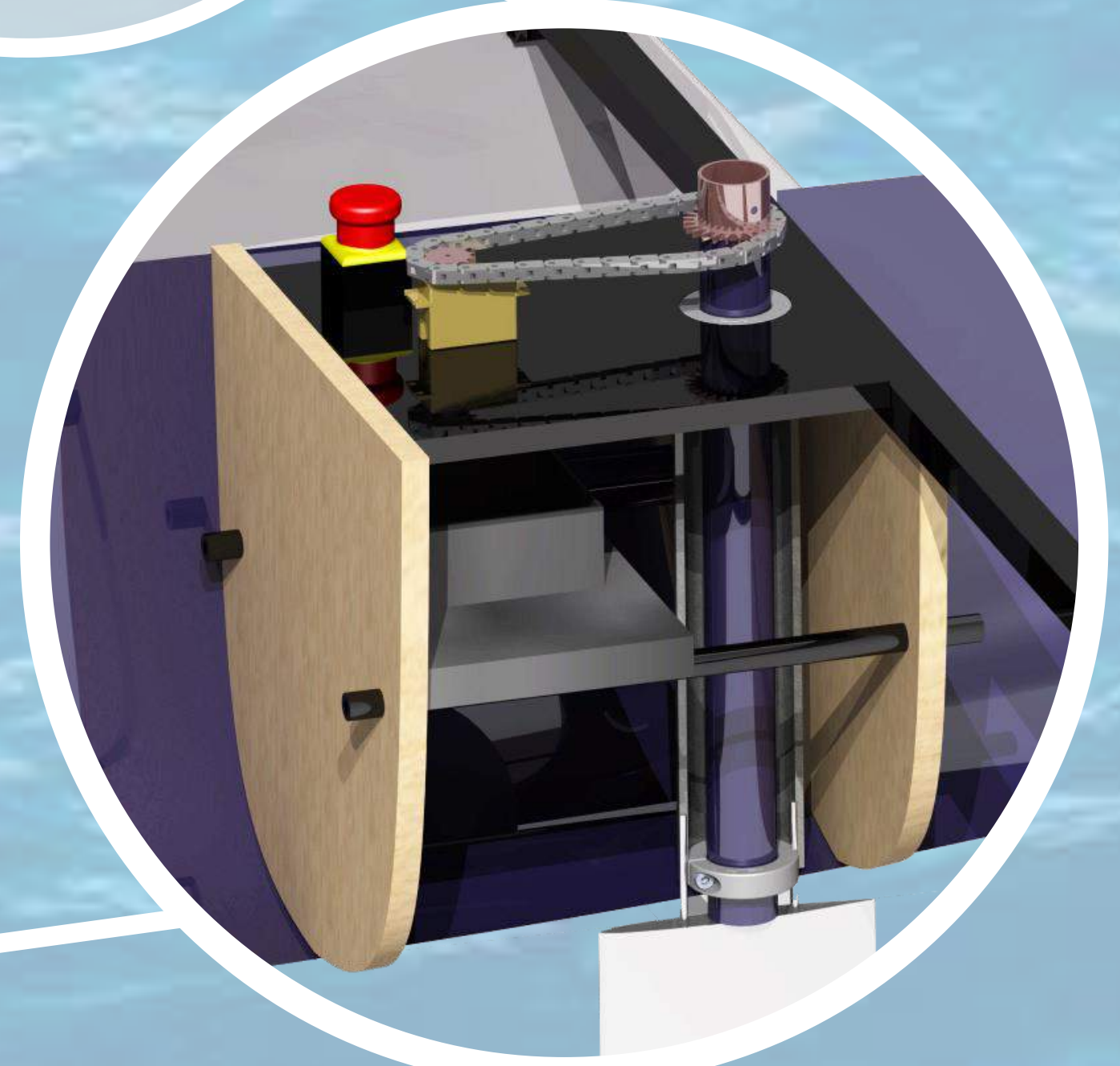


HULL VANE®

Reduces both resistance by over 5% at higher speeds and running trim by up to 25 mm

OUTRIGGERS

Reduction of characteristic resistance of up to 19% by optimising trimaran configuration



UCL ENGINEERING
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