

CASE STUDY: Hydrofoil

Dash-CAE. END-TO-END DESIGN & PROTOTYPING

We designed and developed hydrofoils, for the F1 of sailing boats, the "international moth", with vortex generating endplates to maintain lift deeper into a turn.



PERFORMANCE:	Maintain lift during yaw
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CAPABILITIES:	CAE, CAD, Rapid prototyping, Tooling, 3D printing, Lightweight F1 carbon fibre construction
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We have a healthy interest for all things sailing. A particular type of sail dinghy, the "international moth" is the F1 of sailing boats. They are extremely light carbon fiber construction and fly on their own active foils.



We designed and developed our own hydrofoils with vortex generating endplates to try and maintain lift deeper into a turn, when speed and lift are usually shed.



Our designs employed lightweight F1 carbon composite construction and vortex generators to maintain lift during yaw.





We took the opportunity to use 3D printed inserts, now commonplace in our designs, to cut costs and time.



Questions?

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