



**FIRST TIME
R1ght**

How to manufacture
composites with
vacuum infusion
First-Time-Right
www.r1ght.nl

DISCOVER THE NEAR FUTURE OF THE VACUUM INFUSION PROCESS



Smart Moulding Technologies

Detect leakages and monitor curing state using contactless sensors.

Infuse automatically using using integrated control algorithm using vision system with light emitting mould.



Mixed Reality Applications

Drastically shorten training time for complex infusion strategies using Virtual Reality.

Display infusion simulation directly on mould using Augmented Reality.

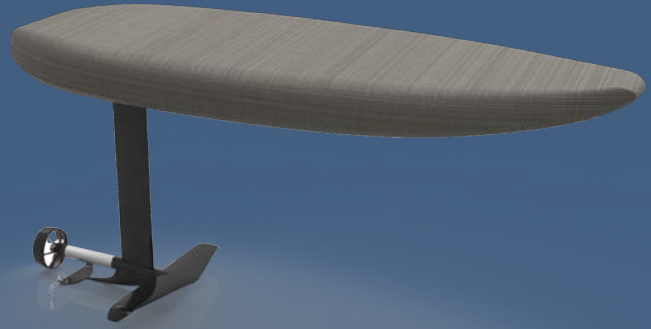


First-Time-Right Principles

Fast infusion preparation with reusable vacuum bags resulting in less waste.

Lower defects using automated fiber placement and inspection.

Applied Research powered by



Hydra1



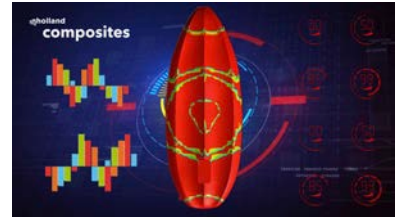
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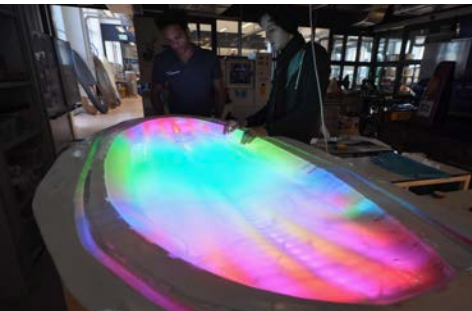
Meet Hydra1, an electric hydrofoil surfboard made from fiber reinforced composites manufactured with First-Time-Right principles using the vacuum infusion process. The process used to make this product is identical to the way composites sailboats and yachts are currently built and includes smart automated solutions to achieve better results.

15 SME's , 3 knowledge institutes and 2 Universities of Applied Sciences in the Netherlands joined forces in a consortium to investigate methods to reach First-Time-Right production with the goal to:

- Produce faster
- Reduce waste
- Work safer
- Avoid defects
- Learn faster



Learn more about this applied research program and visit: <http://www.r1ght.nl>



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Visit Inholland Composites at Bergerweg 200 Alkmaar or Cornelis Drebbelegweg 3 Delft in the Netherlands