

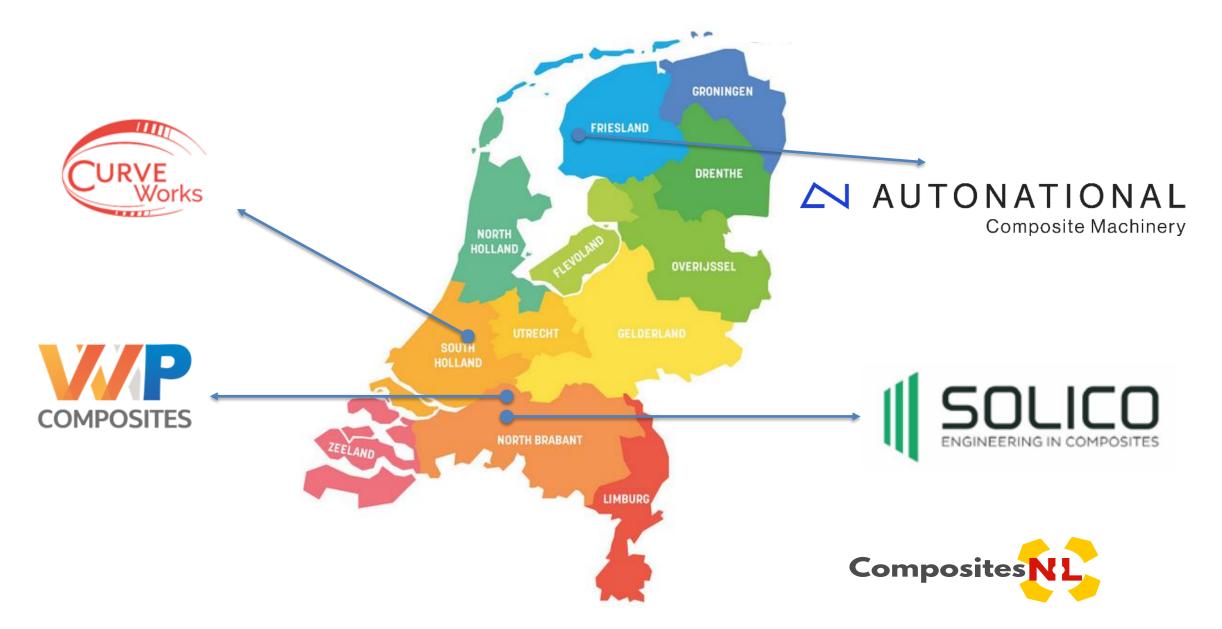
Tahira Ahmed

Chairwoman, CompositesNL





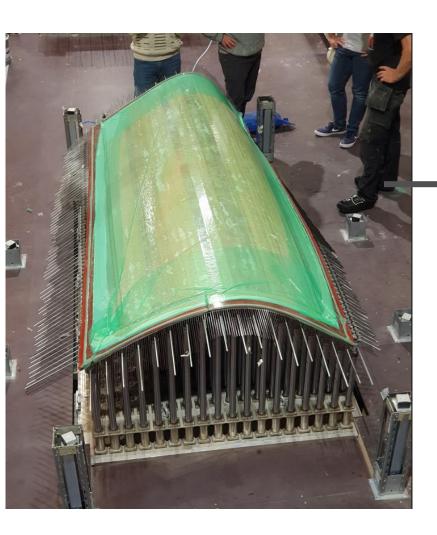
News from around The Netherlands



Wood panel assembly



Worlds' first wooden hull surface made outside the shipyard











Curved Panels + Panel Assemblies www.curveworks.nl



www.vvpcomposites.nl

Lightweight case design for VLF 80kV system Offshore cable testing

Project scope

• Maximum weight: 675 kg

Equipment weight: 495 kg

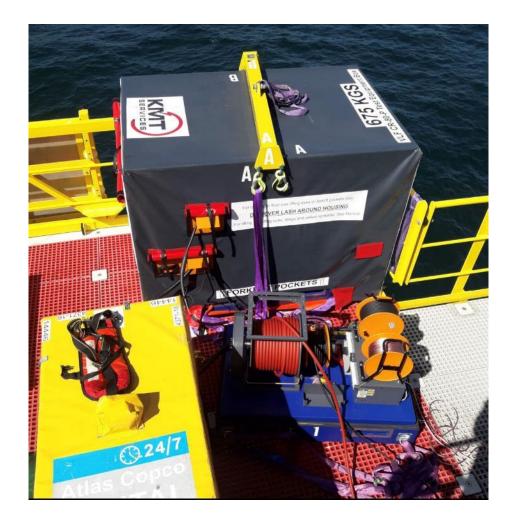
Left for case and hoisting equipment: 180 kg

• Case dimensions: 1940 x 1590 x 1560 mm

 Features such as mobile airconditioning, hatches, integrated lifting lugs, etc.

Solution

- Lightweight glassfiber/foam composite sandwich design
- Load case safety factor 3
- In-house engineering, fabrication and testing
- Test certificate











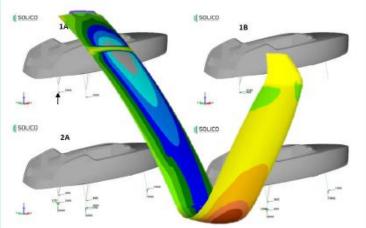
Electric hydrofoils

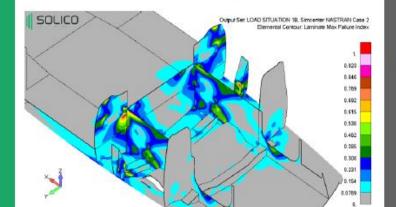
- Vessels with electric propulsion & hydrofoils
- Increase range by:
 - Lightweight design
 - Foiling
- More and more popular
- From foiling (racing)
 sailboats, pleasure crafts to
 foiling passenger ferries

Lack of available rule set for foiling vessels

- Rule sets only for displacement & planning vessels
- Trial and error approach from racing sailboats is not acceptable
- Commercial vessels should accommodate fail-safe design
- What should the rules be?







Edorado 8S tailored design solution

- Boat planing at critical speed as per ISO 12215-5
- Boat foiling at max speed as per ISO 12215-5, but with reduced factors of safety
- Foil foundation/hull integration details with various scenarios: from a normal operation to hitting an object
- Load factors appointed based on the probability
- Sacrificial part prevent sinking

Your partner in tailored composite solutions

www.solico.nl





Mobile Winder



- > Filament Winding of large objects (10m)
- > Setup fits in 2 containers
- > Enables local composite production
- > Installation time 5 days





Scan me!

Want to learn more about Mobile Winders? Please visit our website by scanning the code. Check out the case story, meet our team of engineers, and discover how we can tailor-make composite machinery that completely suits your production needs.

Contact us

PHONE +31 515 53 23 25
E-MAIL info@autonational.com
WEBSITE www.autonational.com

VISITING ADDRESS

De Finne 2 - 8651 CW IJIst The Netherlands AUTONATIONAL
Composite Machinery

f Autonationalcomposites

AutonationalBV

in Autonational Composites

o autonationalcomposites

Mobile Winder

- > Geographic flexibility
- > Product versatility
- > Manufacturing efficiency
- > Quality composite products





Travelling machinery

A machine for composite manufacturing that can be placed wherever you want, whenever you want. Doesn't that sound incredible? It seemed unreal to us at first, but now it's here: our very first mobile filament winding system.

A typical filament winding system is usually installed permanently on-site. However, in some situations, given the site of the final product, transportation can be problematic as re-locating the product can be an expensive operation.

Autonational Mobile Winders are custom-made yet versatile. Even end-products made on mandrels of 10m long and 9m wide can be produced.

When transport is required, the entire winder can be stored inside two containers, which are part of the support structure of the installation. The lid can be closed on top of the container, after which it is ready for transport. The resulting system is easy to transport by boat or truck to the site of production. Once arrived the winder can be set up in less than five days.

To make high-speed production possible, a machine that ensures a highly precise lay-down of fibers is required. All components and controls used in the design and fabrication of Autonational





CONTACT

MR. RUBEN PARS

MOBILE +31 (0)651628762

R.PARS@AUTONATIONAL.COM

AUTONATIONAL BV

TEL. +315 15 53 23 25

INFO@AUTONATIONAL.COM

WWW.AUTONATIONAL.COM

Thank you

