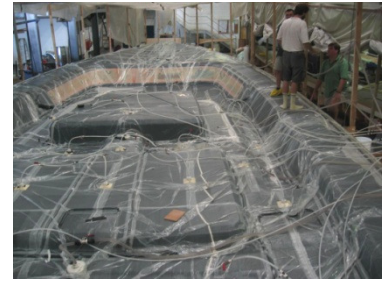


Controlled Vacuum Infusion (CVI)

Resin Infusion

The number of companies using Resin Infusion is steadily growing. The technology has several benefits: high and repeatable quality, high fiber/volume fraction (weight reduction), less labour and time in the mould, and almost zero emission (closed mould). However, application can be risky if the infusion is not properly prepared. Our technology adds a level of control to the process that eliminates almost all the risks by optimising the infusion on the PC.



Infusion of a 100' sailing yacht deck and hull by Southernwind Shipyard, Cape Town, South-Africa.

RTM-Worx Flow Analysis Software for Resin Infusion

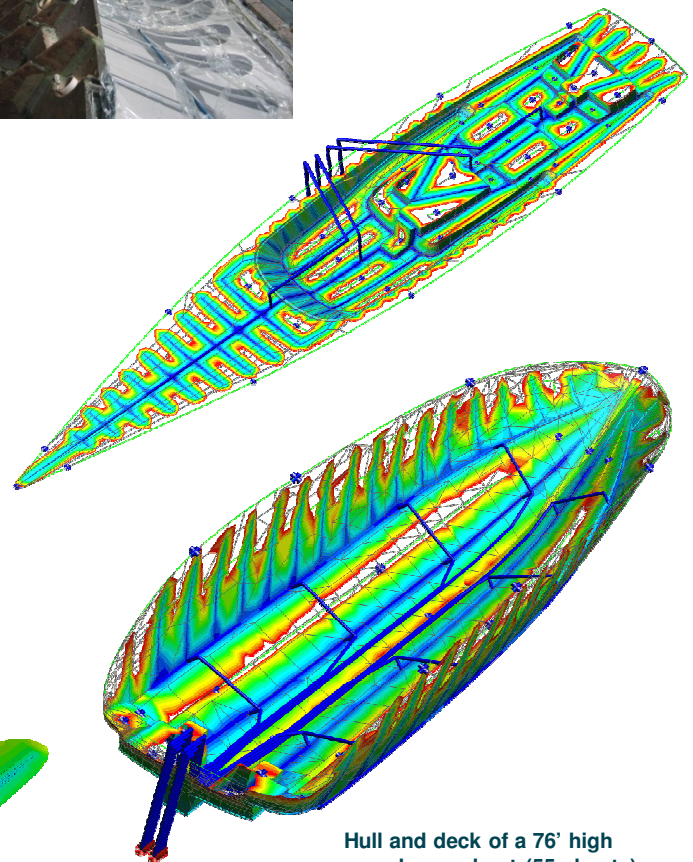
The RTM-Worx software makes it possible to do a lot of trial injections in a short time without wasting any material.

- Optimise location of runners, injection and venting ports. Eliminate dry spots, calculate and reduce injection time.
- Use the simulation in combination with a simple strip injection experiment to measure permeability of the reinforcement lay-up in your product for accurate prediction of flow pattern and filling time.

How to access CVI Technology

If you want to benefit from our software tools and experience, contact us! There are several options:

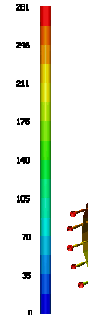
- Acquire a license for the RTM-Worx software. It includes support and we also organise courses.
- Use our consultancy service for an optimised infusion plan (location of linlets, runners and vents) of your part.
- Hire us to implement CVI technology in your company. We can assist you with selection of materials and equipment and redesign of the layup to make it suitable for infusion. We will design the infusion plans, do the material characterisation, train your workers on-site and coordinate the first infusion(s).



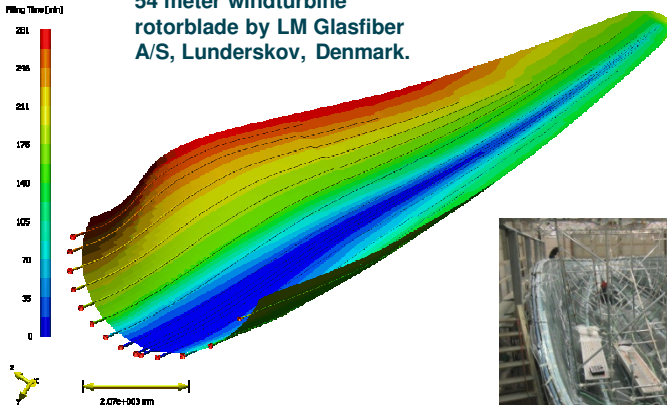
Hull and deck of a 76' high speed powerboat (55+ knots) infused by Pantera Yachts, Waalwijk, the Netherlands.

Current time = 281 min

Filling Time [min]



54 meter windturbine rotorblade by LM Glasfiber A/S, Lunderskov, Denmark.



CVI is used to infuse the largest parts worldwide!

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