

Benefits

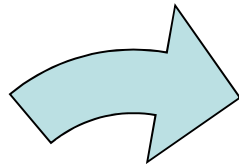
Learn more...

Optimize your project

Benefits of the client

The client will have the following benefits by using our experience:

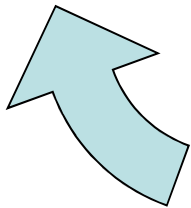
- Analyzing of the complete processing including:
 - Main material
 - Auxiliary materials
 - Processing
 - Curing
 - QA and Testing
 - Technical Risks
 - Implementation concept
- Analyzing Cost and Weigh saving effects
- Concepts
- Verification test
- Implementation
- Training if required
- Working under respect of competition sensitive details



Roll out and implementation

Analyse and Breakdown

Cost savings



Potentials



Projects in the past...:

Military and Civil aircraft structures such as wing and fuselage skins, doors, beams, wall brackets
 Wing energy rotor blades and high altitude wind energy systems
 Space craft main structures and solid booster cases and thermal protection
 Boat building structures
 And more.....

Worldwide activities in: USA, Germany, France, Spain, Great Britain, Italy, Switzerland, Austria, South Korea, Brazil, India....

Major companies: OEM, 1TIER and different suppliers, Government projects.....

Listed Technology consultant of the German Federal Ministry of Economics and Technology / DEMEA

(Co) Inventor of the newest Resin Infusion Techniques such as VAAP, MTRI, MARI and nVAAPg techniques

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Dipl. Ing. Torsten Lorenz



Energy techniques, Aircraft structures, spacecraft structures, Boatbuilding, Processing, Interims Management, Project Management, Design, Cost Improvements

And with partner companies any Membrane, Valves and Multi Membrane application based on PTFE and PU for Prepreg and Resin Infusion techniques

Summary

Main focus:

Any Composites approach in any structure design will deliver significant effects by weight.

But if we look to major big Composites projects from some OEM companies and other we find the facts:

- Delay in time scale
- Quality problems
- Weight problems
- Assembly problems
- Certification problems
- Late correction items by the management

The main problem we find in all these projects are an effect of problems in the processing or the combination of some materials. The theoretical CAD approach and the real work shop flow will not fit together.

These real effects cost a lot of money and reduce the efficiency of the company and the product.

An excellent design and a bad processing deliver only good opportunities for your competition companies

Targets

Our targets:

Our main focus is to identify this kind of risk and create new and modified processing details to avoid any risk for the client.

We are specialist in the field of:

- Wet lay up
- Pre Forming
- Prepreg techniques in the autoclave
- Prepreg techniques out of the autoclave
- VARTM in any style
- Membrane Infusions
- Using Multi membrane
- RTM
- Repair
- Tooling
- Filament winding
- Tape laying systems
- NC-Milling
- Sheet metal forming
- Design modification
- Structural concepts
- Prototyping
- Training

Project Approach

