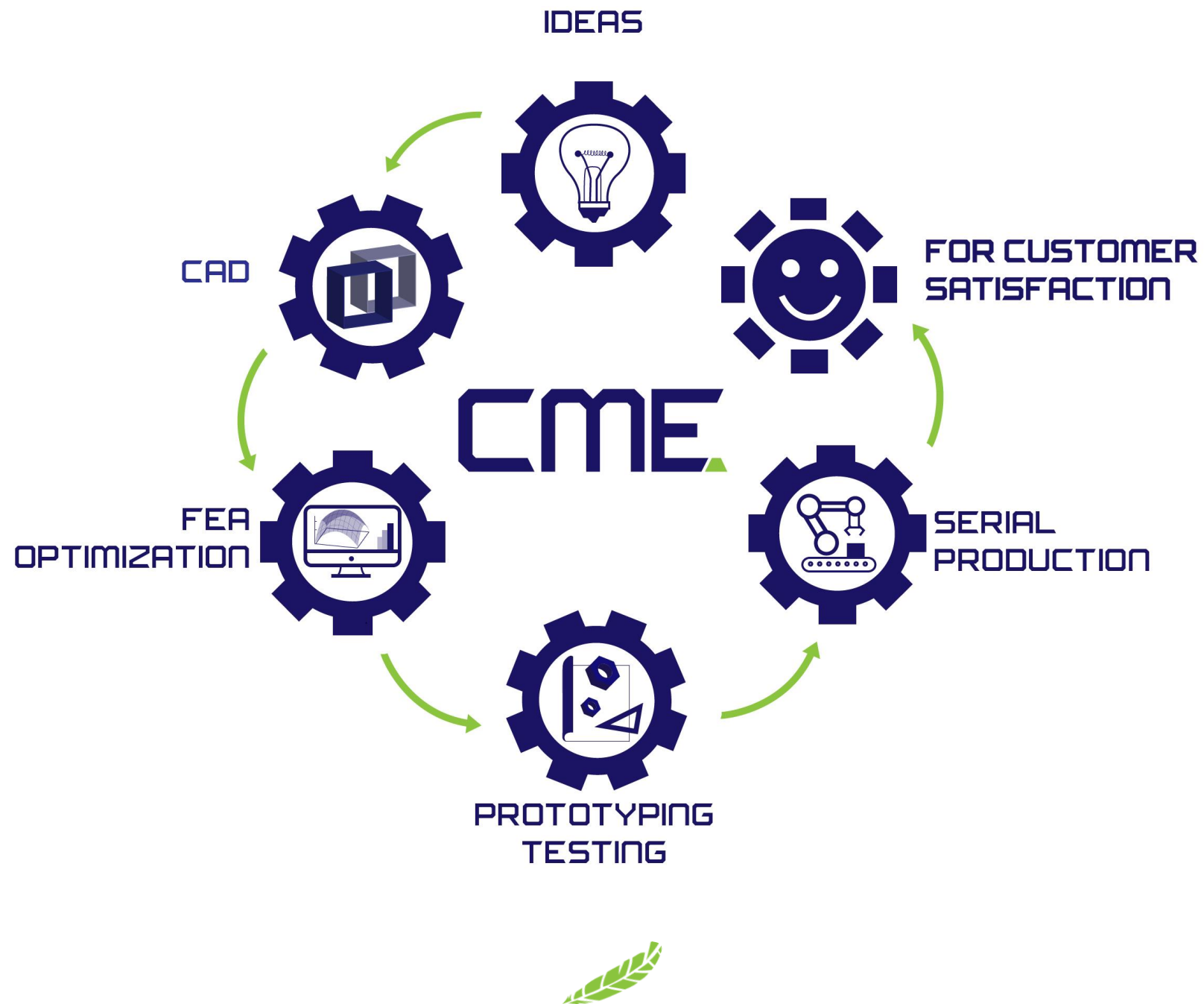




Full composite service, from idea to first prototype,
In-house.





THE TEAM

CME Group is born with a common passion for composite materials engineering. With more than 30 years accumulated experience in design, calculation and manufacturing, and 40 projects successfully achieved in composite materials, we ensure a full quality service to our customers from the first idea to manufacturing.

We work with all types of resin (Thermoset, Thermoplastic) with a special recognized know-how with thermoset systems.

Furthermore, we use to process all sorts of reinforcements (Carbon, Glass, Natural ...) and core (foam, honeycomb, inflatable bag...).

For our engineering services, we use Catia (including composite module) for CAD and Altair (Hypermesh, Optistruct, Radioss) for Finite Element Analysis and laminated optimisation.



THE TEAM



Robert

Robert is Polish and has worked in Germany for 20 years in many sectors such as marine, automotive or industry.

He has a specific knowledge in composite processes and manufacturing concepts developments. He also has a strong expertise in painting application (Gelcoat, varnish...) and composite repairing.



Benoît

Benoît is French and has worked for more than 10 years in composite engineering in France and Germany in Aerospace, Marine and Industry.

He has developed a specific assessment upstream in the development chain of a composite product, including material characterization, design, Finite Element Analysis (FEA) and optimization.



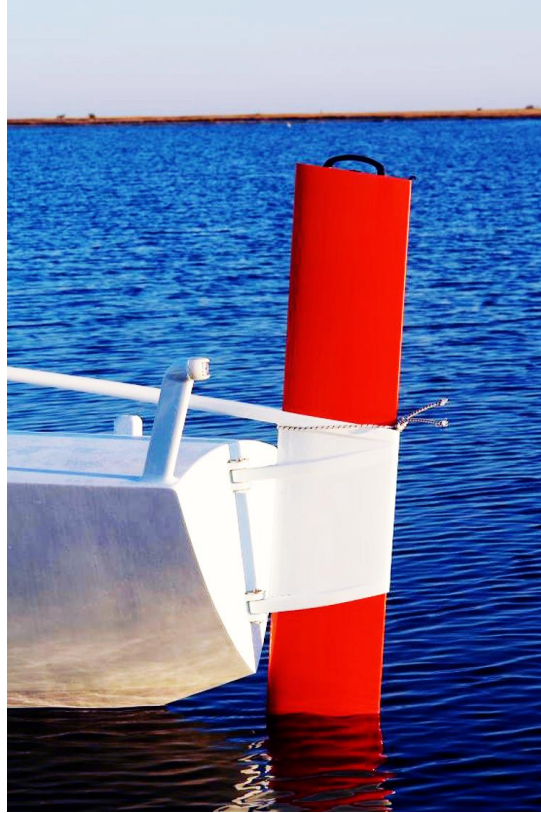
PARTNERSHIPS

For **liquid composite molding topics** i.e the science of resin injection, we collaborate with the laboratory Gem of Ecole Centrale of Nantes, France, We work for the development of a numeric tool for simulating the resin flow into a fiber reinforcement by adjusting of all process parameters available with Resin Transfer Molding (RTM), Light RTM, Vacuum RTM, and Infusion Process.

For the **composite structures mechanics**, we have a long term cooperation with the laboratory MISES of the engineering school Sorbonne University in Paris - France. Our objective is to improve our engineering numeric chain by developing an efficient optimization methodology in order to find the lightest lay up configuration of a composite component.



Example of Realisations



- Rudder
- Catamaran full composite 16 meters
- Carbon mast 22meters
- Composite hinges
- Carbon beams, ribs in H, U, O shape



CONTACT US

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