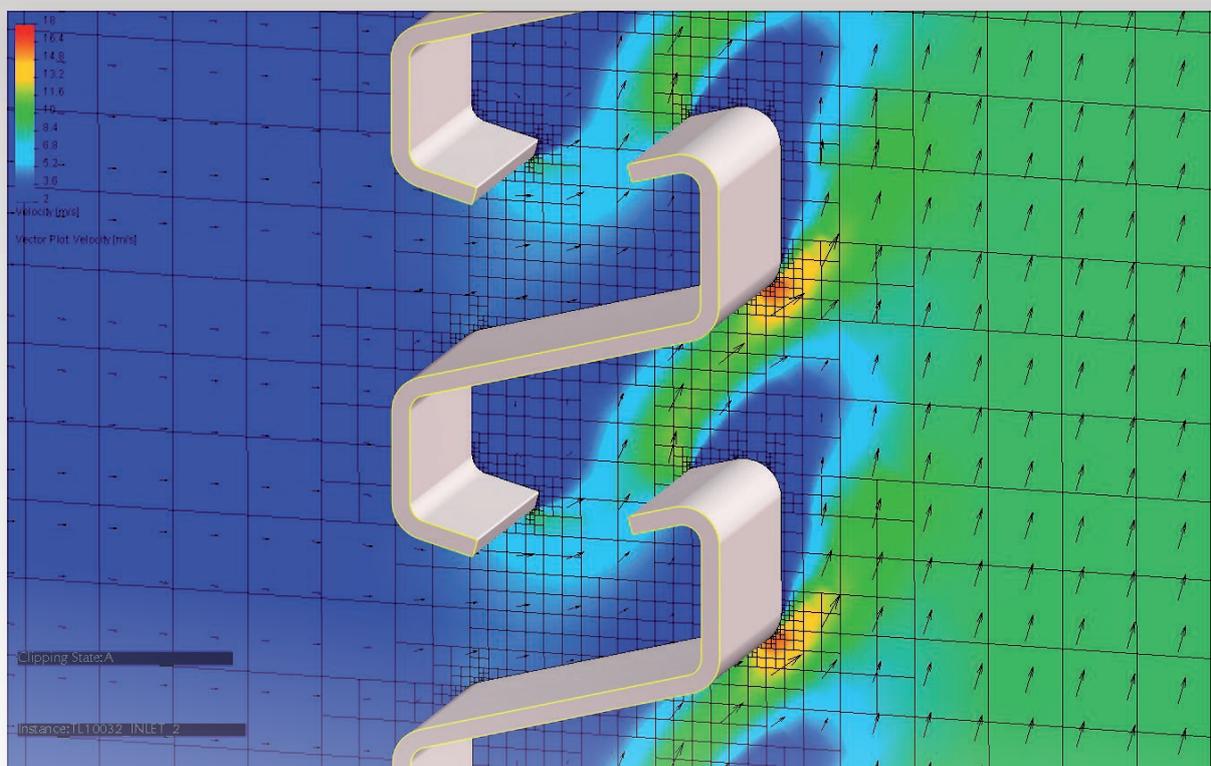


CFD SIMULATIONS

COMPUTATIONAL FLUID DYNAMICS



Functional and stylish tailormade yacht solutions

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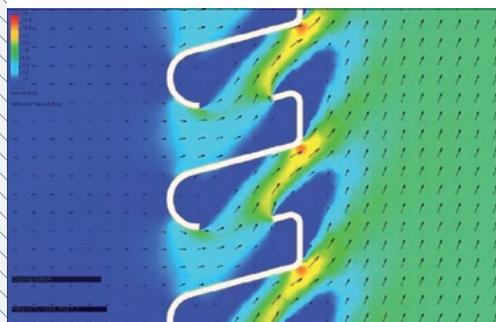
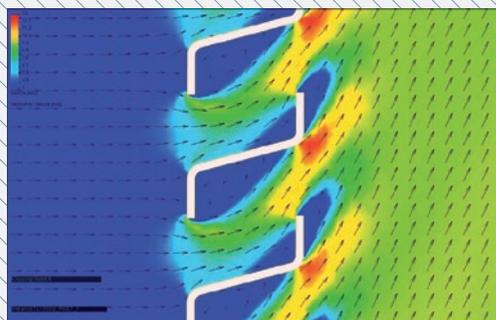
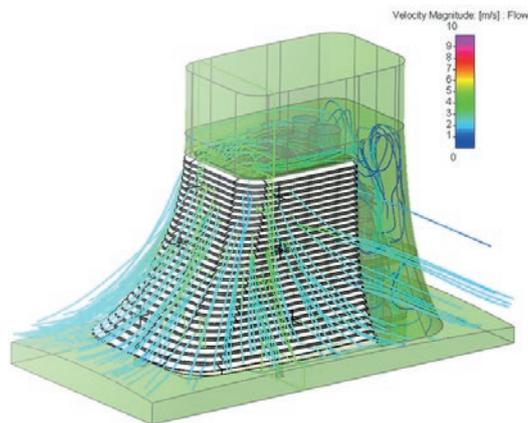
COMPUTATIONAL FLUID DYNAMICS

CFD

FlowGrill can provide an advisory role in the process of a new louver-design. By using CFD software the airflow can be simulated.

When minimal space for ventilation is available, the maximum allowed limit values of airflow and air pressure can be accurately determined.

Air pressure and air velocity are the most important data for a well-functioning system. With our CFD simulation system, the limit values can be determined. In addition, the shape of the lamella is very important. Airflows can get a lot of air resistance with a complex shape lamella compared to an open simple shape. The simulation programme can also be used for indicative determination of noise. If the speed is too high, vibrations will occur which can then cause noise.



ADVANTAGES OF CFD:

- Saving costs, prototypes are not necessary
- Time reduction, quicker results
- Use of parametric CAD data
- Detection of laminar and turbulent airflow
- Simulation of various designs
- Results will be reported in text and images
- Pressure measurements