

ProCap Professional

Efficient digital data acquisition

A new world of real-time flow visualization

Real-time visualization of a flow field

ProCap Compact is an innovative digital approach that combines the simplicity and speed of a smoke probe with the quality of a 3D-measurement scan.

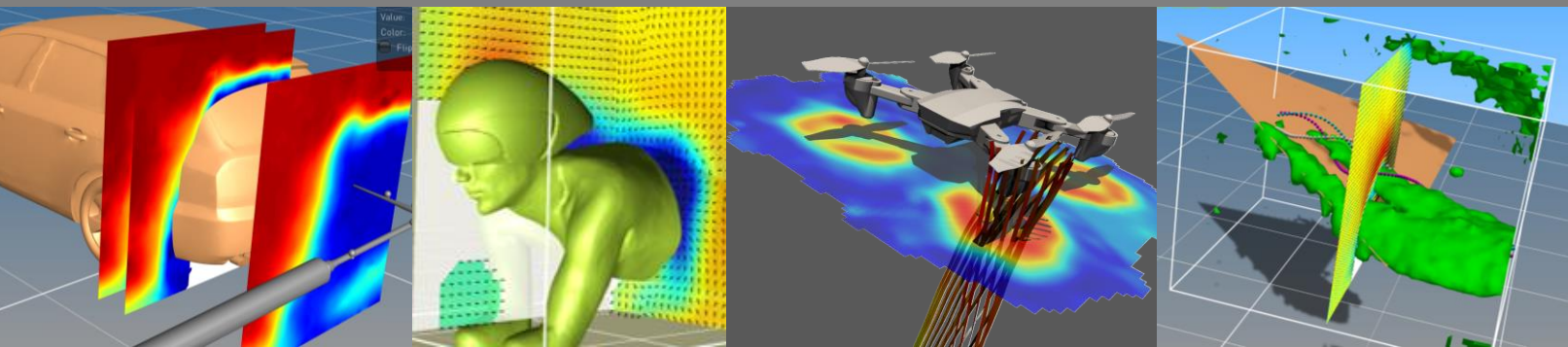
Real-time visualization of a 3D velocity vector and its interpolation to a complete flow field provides instantaneous understanding of the quality of aerodynamic measurements.

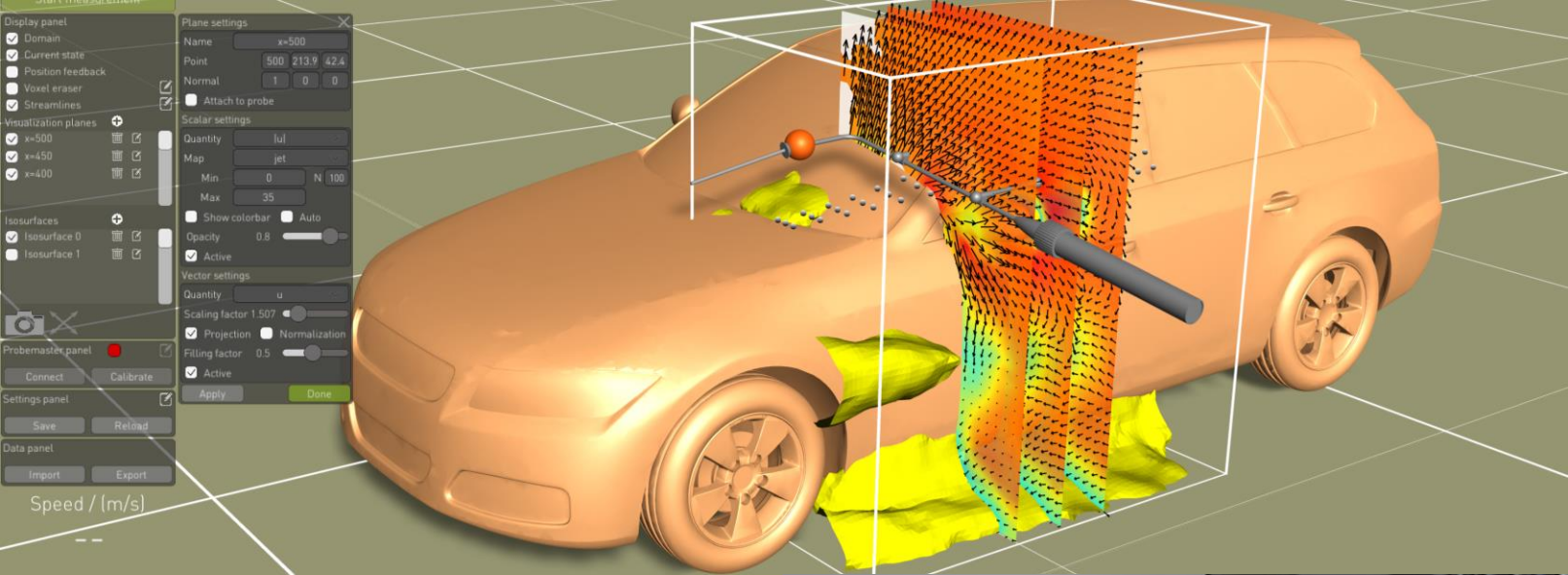
Scan and paint the flow

Automated traverse or operator may guide a probe in the flow region of interest. The probe's instantaneous position is precisely tracked with a camera system, the measured data is interpolated, and the flow field is instantaneously visualized to the user. This is essentially an intuitive scan-and-paint approach of the flow in real-time.

Digital approach

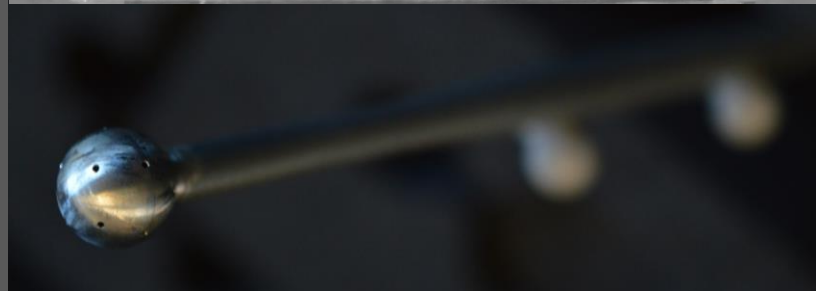
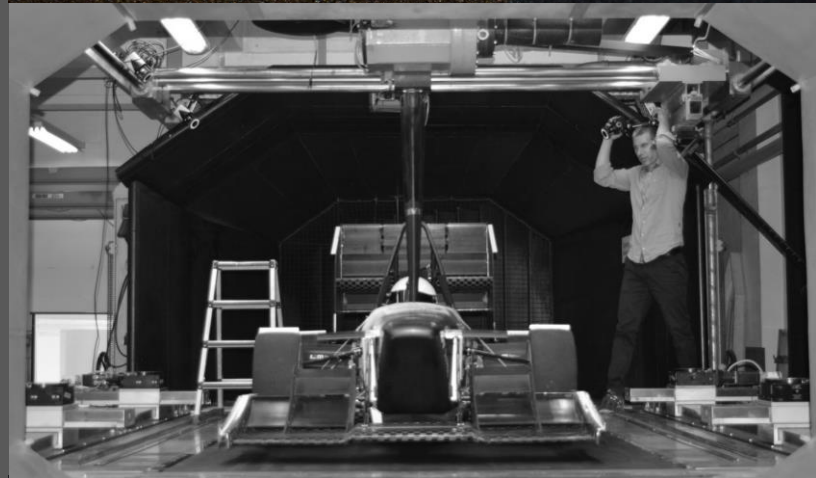
ProCap Compact merges data streams from position tracking and flow field measurements, reduces data, interpolates and predicts the flow field for integrated validation.





PROCAP PROFESSIONAL

- Perfect for full scale wind-tunnel applications
- Provides 3D flow data in real-time
- Flexible & fast local flow measurements and visualization at complex objects
- Full flexibility for any size and type of applications
- Standard probes: 5 hole and 14 hole
- Digital probes: 5 hole and 7 hole
- Speed range adjustable with different sensor modules
- Custom probe integration possible
- Modular design to accept different probes and tracking systems
- Compatible with motion capture systems from Qualisys, Optitrack and Vicon
- Drives user towards area of interest and improves naturally the quality of measurement campaigns
- Fully 3D flow datasets compatible with CFD post processors for validation
- Service & support packages



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