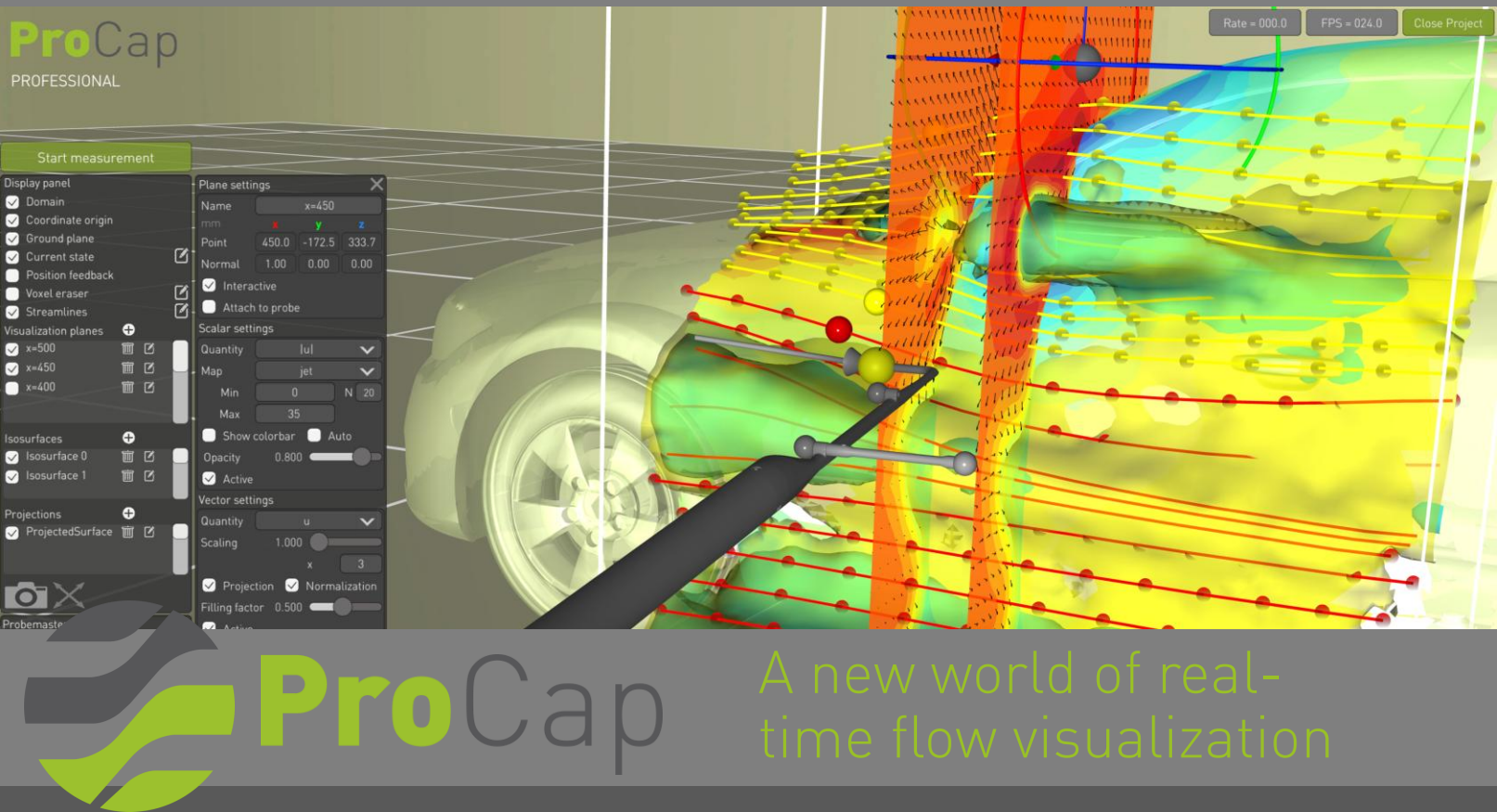


Streamwise



Real-time flow measurement

ProCap is the first commercially available real-time Sensor Tracking Velocimetry (STV) system, an innovative digital approach that combines the simplicity and speed of a smoke probe with the quality of a 3D-measurement scan.

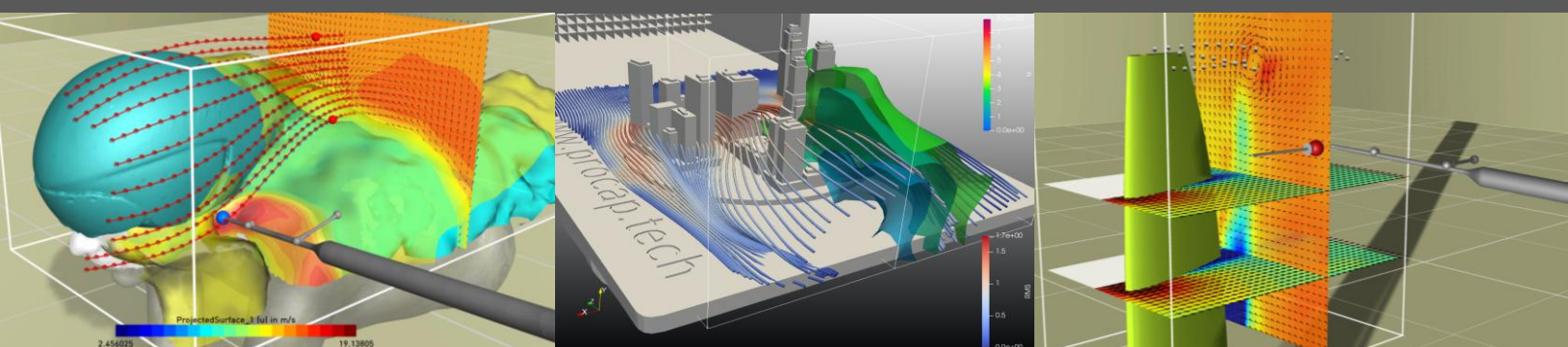
The real-time GPU rendered visualization of the complete 3D flow and pressure field provides instantaneous understanding of the aerodynamics and the data quality.

Scan and paint approach

The seamless interaction of probe, optical position tracking and real-time visualization allows the probe to be used like a paint brush, painting the airflow onto the computer screen. This human-centered scanning approach is stunningly efficient, as most of the time is spent in areas of interest, adding data points exactly where they are needed.

Fully quantitative data provided

Quantitative 3D3D (+pressure) data available offline for further analysis and comparison.





KEY BENEFITS

- GPU powered processing and rendering for analysis and visualization of the flow field during acquisition
- Real-time processing of probe data and tracking position including spatial interpolation, correction for probe movement, data storage and import/export
- Fully quantitative 3D data output compatible with CFD post processors for validation
- Interactive user interface for intuitive operation
- CAD geometry import for model visualization
- Transportable, fast and easy to install

SYSTEM PACKAGES

- GPU powered real-time capable STV software
- Full integrated 5 or 14-hole digital probes
- Professional or Compact version
- Optical tracking system
- Service & support packages

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