

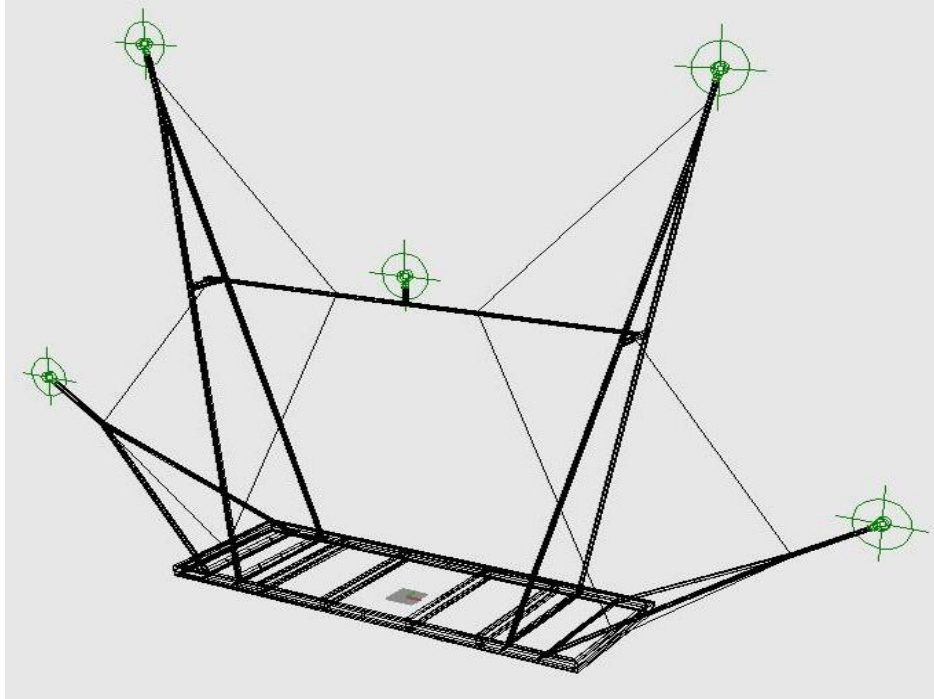
CONCEPT, DESIGN, CONSTRUCTION AND TESTING OF AN EXPERIMENTAL FACILITY FOR MULTI-POINT LONGITUDINAL AIRFLOW MEASUREMENTS IN TUNNELS

P. Levoni, D. Angeli, E. Stalio, G.S. Barozzi, M. Cipollone



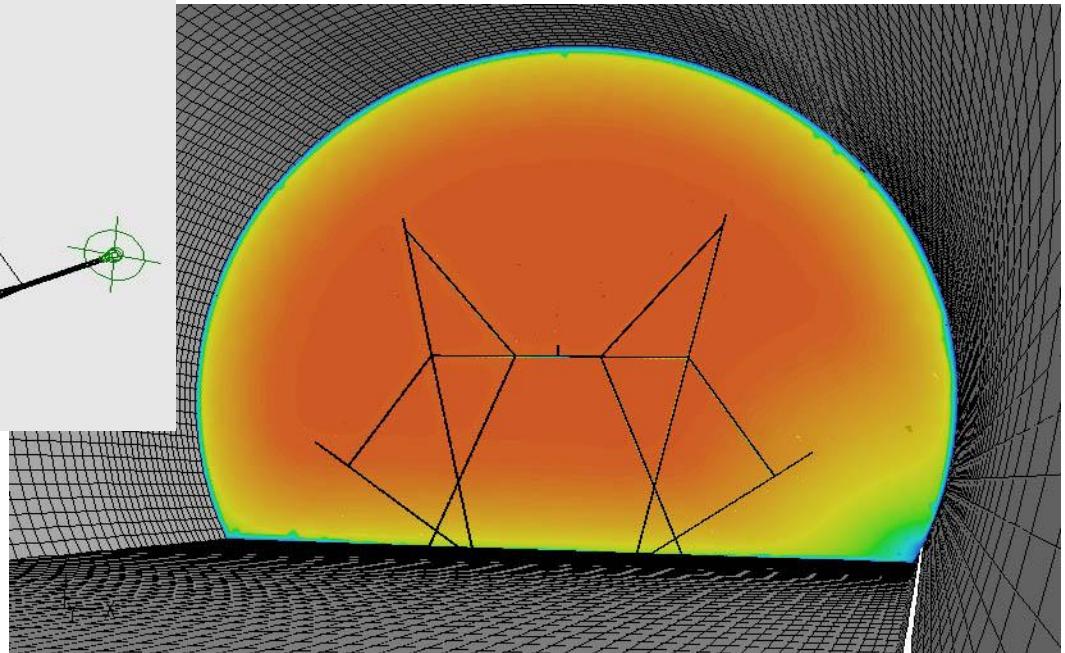
Tunnel Mont Blanc (TMB) – Italian gate

CONCEPT, DESIGN, CONSTRUCTION AND TESTING OF AN EXPERIMENTAL FACILITY FOR MULTI-POINT LONGITUDINAL AIRFLOW MEUREMENTS IN TUNNELS



Concept and design of the experimental facility

CFD preliminary aerodynamic tests on the influence experimental facility



CONCEPT, DESIGN, CONSTRUCTION AND TESTING OF AN EXPERIMENTAL FACILITY FOR MULTI-POINT LONGITUDINAL AIRFLOW MEASUREMENTS IN TUNNELS



Transport of the experimental facility inside the Mont Blanc Tunnel

Preparatory phase and final check



CONCEPT, DESIGN, CONSTRUCTION AND TESTING OF AN EXPERIMENTAL FACILITY FOR MULTI-POINT LONGITUDINAL AIRFLOW MEASUREMENTS IN TUNNELS



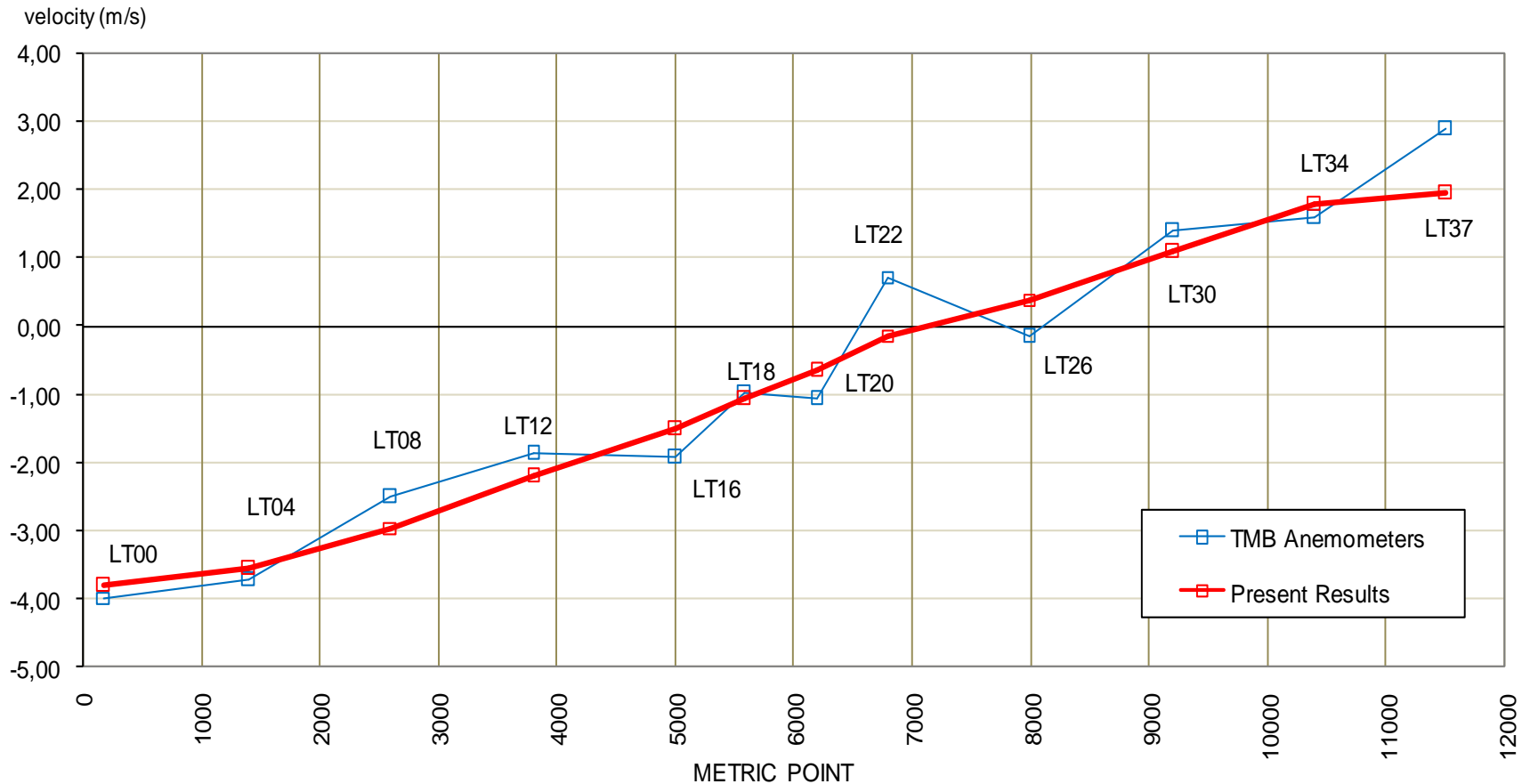
Measurements inside the Tunnel Mont Blanc (TMB)

CONCEPT, DESIGN, CONSTRUCTION AND TESTING OF AN EXPERIMENTAL FACILITY FOR MULTI-POINT LONGITUDINAL AIRFLOW MEASUREMENTS IN TUNNELS



Measurements inside the Tunnel Mont Blanc

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Average velocity longitudinal profile along the TMB

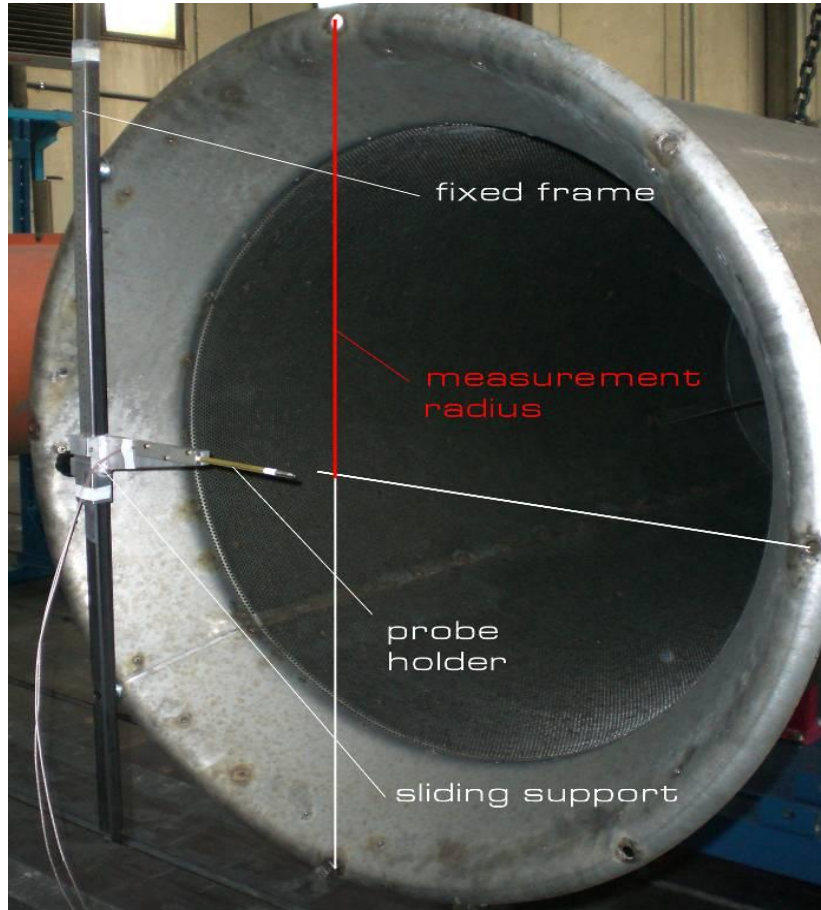
EXPERIMENTAL CHARACTERIZATION OF A TUNNEL JET FAN BY DIRECT MEASUREMENT OF THE VELOCITY COMPONENTS AT THE INFLOW AND OUTFLOW SECTION

P. Levoni, D. Angeli, E. Canepa, G.S. Barozzi, M. Cipollone



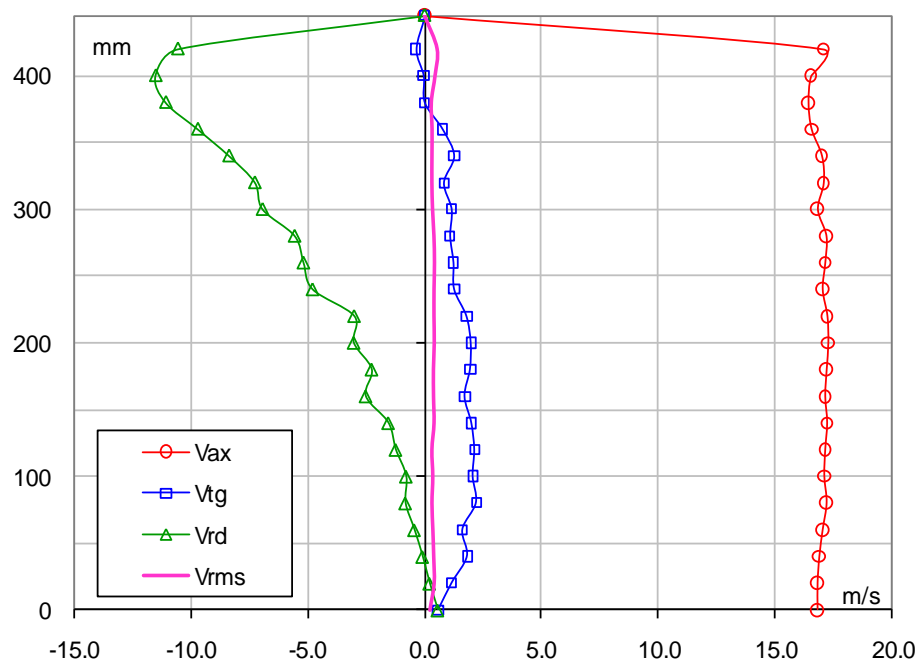
Testing facility for the fan *Howden APR 710/330*

EXPERIMENTAL CHARACTERIZATION OF A TUNNEL JET FAN BY DIRECT MEASUREMENT OF THE VELOCITY COMPONENTS AT THE INFLOW AND OUTFLOW SECTION



Multi-axial hot-wire measurements on the fan

EXPERIMENTAL CHARACTERIZATION OF A TUNNEL JET FAN BY DIRECT MEASUREMENT OF THE VELOCITY COMPONENTS AT THE INFLOW AND OUTFLOW SECTION



Outflow time averaged velocity components

Inflow time averaged velocity components

