

MAIN FEATURES OF THE PLATFORM

The platform is equipped with high-precision measuring instruments, suitable for both development and acceptance tests. Automated system and supervision software enable rapid performance assessment.

Technical characteristics:

- Maximum head: 100 mWC
- Maximum discharge: 800 l/s
- Maximum rotational speed: 1800 rpm
- Output generator power: 330 kW
- Pumping group power: 410 kW
- Efficiency accuracy: $\leq 0,3 \%$ in accordance with IEC 60193 standard

HYDRAULIC BLADE PROFILING

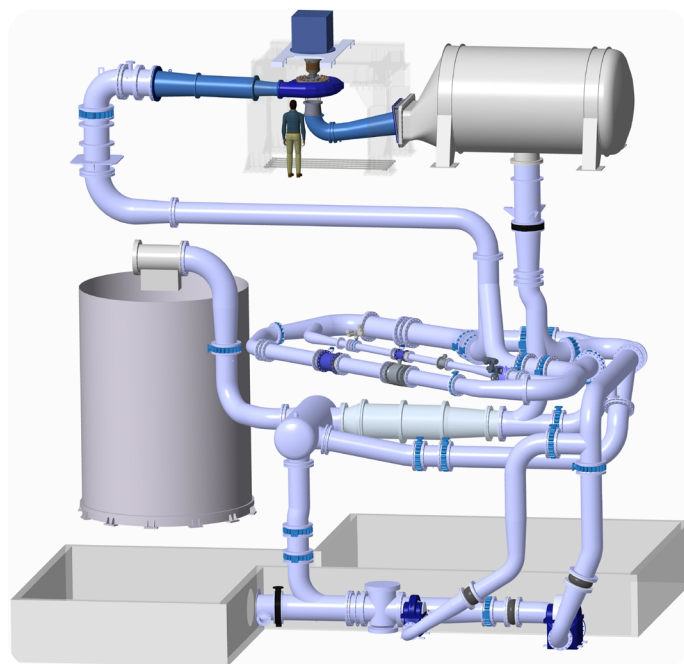
Located in the low-flow section of our IEC hydraulic platform, this setup enables dual flow measurement with 0.2% accuracy, without disrupting normal operation.

Test setup characteristics:

- Squared section 110 x 110 mm
- Flow velocity from 0 to 16 m/s
- Absolute pressure adjustment for cavitation studies
- Variable angular position of ± 25 degrees
- Safe, quick and easy access to the profile

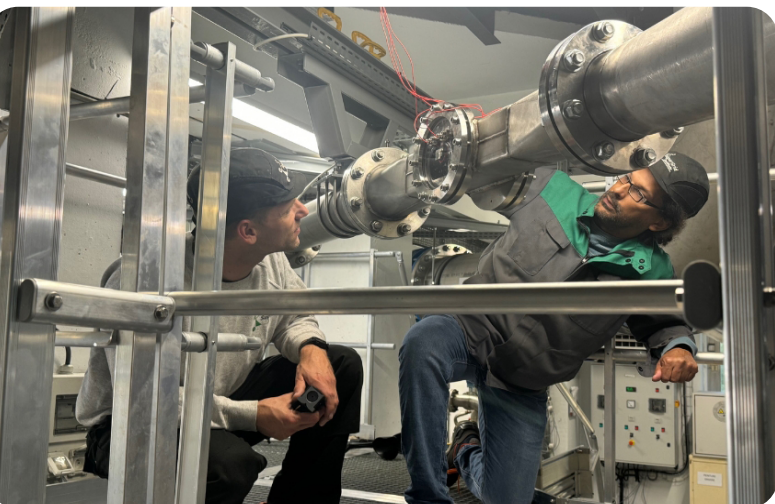
It is a unique testing method to...

- Evaluate hydraulic profiles
- Study & anticipate Karman's vortex
- Detect or measure cavitation



SPECIFIC TEST CONFIGURATION

- Efficiency measurements
- Measuring and visualising cavitation limits
- Turbine runaway characterisation
- Hydraulic blade profiling
- 4 quadrants characterisation
- Dynamic torque measurements
- Dynamic axial and radial thrust measurements
- Wicket gates torque measurements
- Dissolved oxygen measurements
- On-board measurement



**Fill out our survey
to be contacted
by our hydraulic
team!**

