

SERVICES

Thermo Fluid Dynamics Lab

Laboratory for the optimisation of flow dynamics of gaseous and liquid fluids

Free University of Bozen-Bolzano
Faculty of Engineering

Head of Laboratory:
Prof. Maurizio Righetti

EQUIPMENT RENTAL*		All prices quoted are exclusive of VAT
Rental	Water level gauges. Price per week.	€ 300
Rental	Propeller Velocity Flowmeter. Price per week.	€ 550
Rental	Pressure gauges for water hydraulic nets. Price per week.	€ 250
Rental	Clamp On Ultrasonic Flow Meter. Price per week.	€ 300
Rental	Laser Rangefinder Trupulse 360R. Price per week.	€ 100
Rental	Gopro Karma drone. Price per week.	€ 200
Rental	Total station. Price per week.	€ 500

* The price is reduced by 25% for weeks after the first one.

FIELD MEASUREMENTS		All prices quoted are exclusive of VAT
External activity	Water level and pressure measurements with submerged pressure gauges. Price per week.	€ 720
Externe Aktivität	Pressure measurements with pressure gauges in hydraulic nets. Price per week.	€ 720
External activity	Flow rate measurements with Clamp On Ultrasonic Flow Meter. Price per week.	€ 740
External activity	Flow velocity measurements with propeller flowmeter. Price per day.	€ 477
External activity	Topographic measurements with Laser Rangefinder Trupulse 360R. Price per day.	€ 430
External activity	Topographic measurements with Total station. Price per day.	€ 450
External activity	Granulometric curve of the field. Price per day.	€ 400

LAB DESK

NOI TECHPARK
SÜDTIROL / ALTO ADIGE
A.-VOLTA-STR. 13/A
VIA A. VOLTA, 13/A
I-39100 BOZEN / BOLZANO

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LABORATORY ACTIVITIES		All prices quoted are exclusive of VAT
Particle Image Velocimetry (PIV)	Flow field measurements with PIV technique. Case study and materials provided by the client. Includes maximum 20 hours of data processing. Price per week.	€ 4.610
Laser and Phase Doppler Anemometry (LDA/PDA)	Flow field measurements with LDA/PDA technique. Case study and materials provided by the client. Includes maximum 20 hours of data processing. Price per week.	€ 4.610
Particle tracking velocimetry (PTV)	Flow field measurements with PTV technique. Case study and materials provided by the client. Includes maximum 20 hours of data processing. Price per week.	€ 3.610
Granulometric curves	Includes sample drying, sieving, making the granulometric curve. Minimum diameter of sediment 60 microns. Price per sample.	€ 91
Turbidity measurements	Turbidity measurements with Imhoff cones. Price per sample.	€ 40
Hydraulic characterisation (energy losses, flow rate)	Characterisation of hydraulic component (Valve, flow meter, etc.) with nominal diameter DN20 – DN100. Case study and materials provided by the client. Maximum 10 sample points. Price per week.	€ 3.485
Hydraulic characterisation (energy losses, flow rate)	Characterisation of hydraulic component (Valve, flow meter, etc.) with nominal diameter DN100 – DN200. Case study and materials provided by the client. Maximum 10 sample points. Price per week.	€ 3.785
Pump characterisation (head, efficiency)	Pump characterisation with sample points (rotational speed or flow rate). Maximum 5 kW. Case study and materials provided by the client. Maximum 10 sample points. Price per week.	€ 5.785
Pump characterisation (head, efficiency)	Pump characterisation with sample points (rotational speed or flow rate). Maximum 20 kW. Case study and materials provided by the client. Maximum 10 sample points. Price per week.	€ 6.785
Laboratory rent	Add the laboratory rent. €/m ² /month. If the case study is not re-moved by the client after one month the end of experiment, the price of laboratory rental is increased by 50%.	€ 5.6