3D EAU

Hydraulic 3D modelling at the service of water and the environment

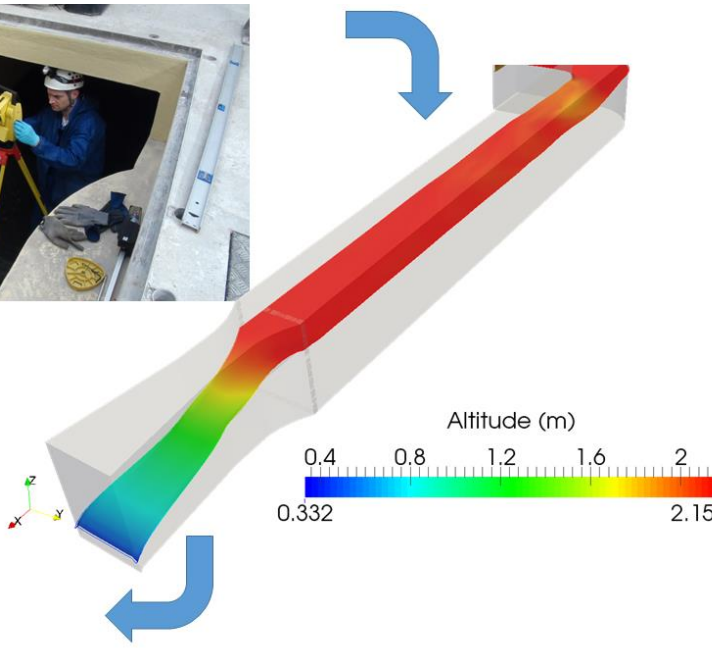
Metrology : Nondestructively remedying a nonconformity in a Venturi flume

Challenge

Application of the technical commentary relating to the French **Order of 21 July 2015**. **Measurement of the flow rate** using a standardised system installed in compliance with the specifications of the standard.

The 3D EAU solution

Defective installation, deformations, insufficient length of approach channel, etc. Increasing the reliability of a channel or replacing the non-compliant head-discharge relationship with **3D modelling with no need for construction work.**



New law	
H (mm)	Q (m³/h)
5	52
10	67
20	97
...	...

Advantages

- Accuracy compatible with the ISO 4359 standard
- Procedures **validated by the french water agencies**
- **No construction work** needed (savings: ≈ €10k to €20k/structure)

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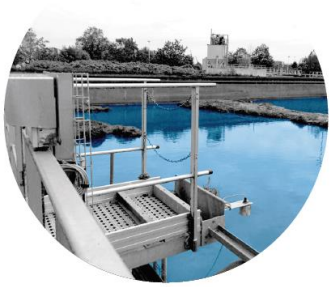
Our services



Self-monitoring

Development of measurement systems adapted to the hydraulic configuration and the unique characteristics of each structure.

Continuous monitoring

Definition of the position and type of measuring device adapted to the objectives of the continuous monitoring

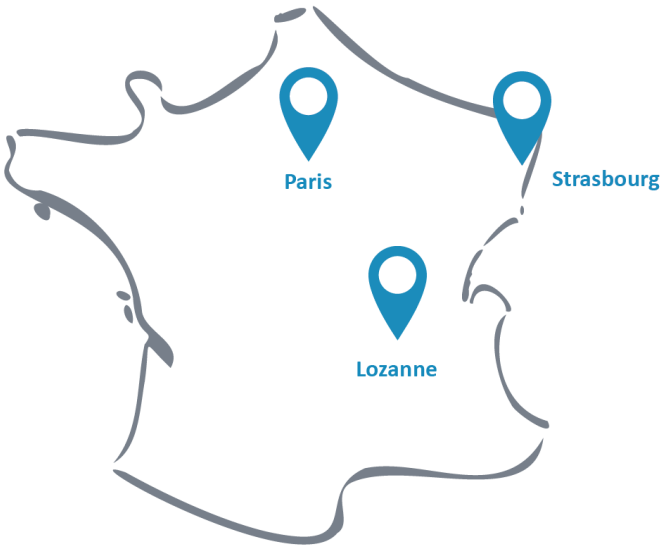
Feasibility and optimisation study

Validation or optimisation of the design of structures prior to construction in order to guarantee their correct operation.

HYDRASS 3D EAU

Design and manufacture of hydraulic equipment

Manufacture of reliable and robust solutions to reduce overflows and/or deposits by combining Hydrass's experience and 3D EAU's hydraulic expertise.



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