



Live Monitoring : Implementing a measurement solution in a lifting station without additional works



Issue

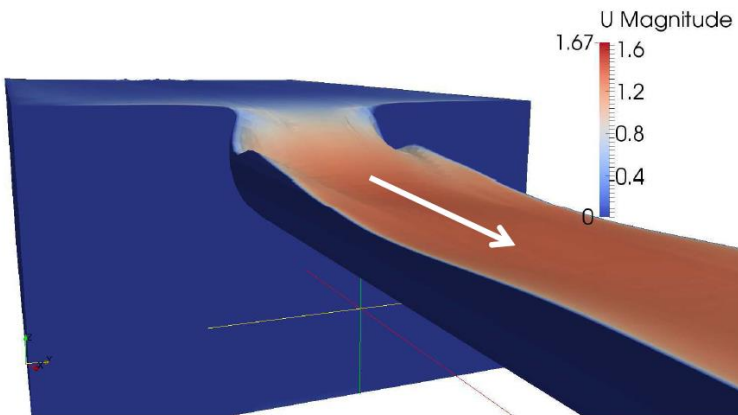
Achieving compliance with regulatory requirements :

- Measuring daily spillage duration
- Measuring the volume of spilled water

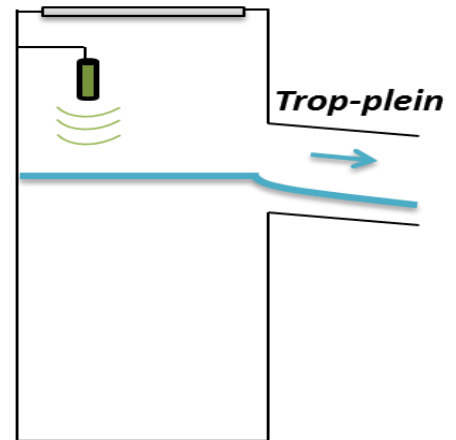


The 3D EAU solution

Offer an **accurate estimate of spilled volume** using one or two height measurement systems, without modifying the structure.



3D CFD modelling result used to calibrate the height/flowrate relationship

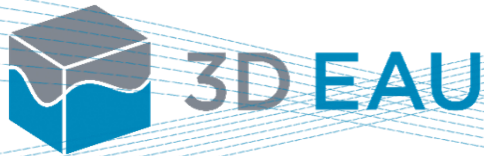


Implementation of the method in a lifting station



Avantages

- No additional works (masonry etc) required on the existing structure
- Easy operation and maintenance of the instrumentation
- 3D CFD calibrated height/flowrate relationship for reduced uncertainties in flowrate estimates



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

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

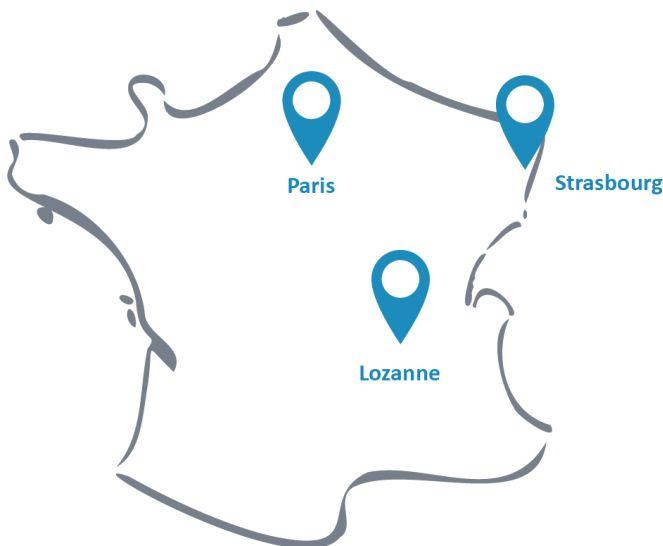
Feasibility and optimisation study

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



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.



Strasbourg

21 rue Jacobi-Netter, 67 200 Strasbourg

Paris

3 rue des camélias, 75014 Paris

Lyon

845 rue Louis Arnal, 69380 Lozanne