



Design: Design validation of a drop shaft



Challenge

Ensuring the proper operation of a planned structure and **optimising the implementation costs** for the project owner.

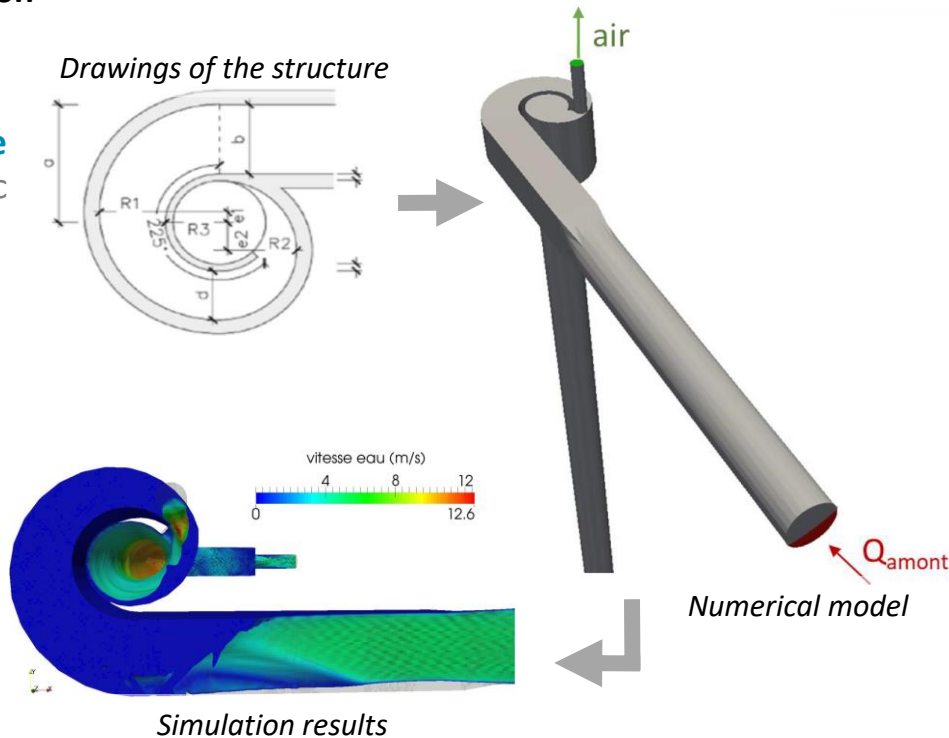


The 3DEAU solution

Visualising the structure operating in its hydraulic environment

Assessing the operation and proposing improvements

Simulating scenarios to optimise the structure



Avantages

- **Analysis prior** to 3D hydraulic modelling, to achieve a preliminary optimisation of the structure
- Assessment of the structure's operation, conducted by experts in **collaboration with the company in charge of construction**
- Simulation of **optimisation scenarios** of the construction or operating costs, using simple civil engineering adjustments



3D EAU

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

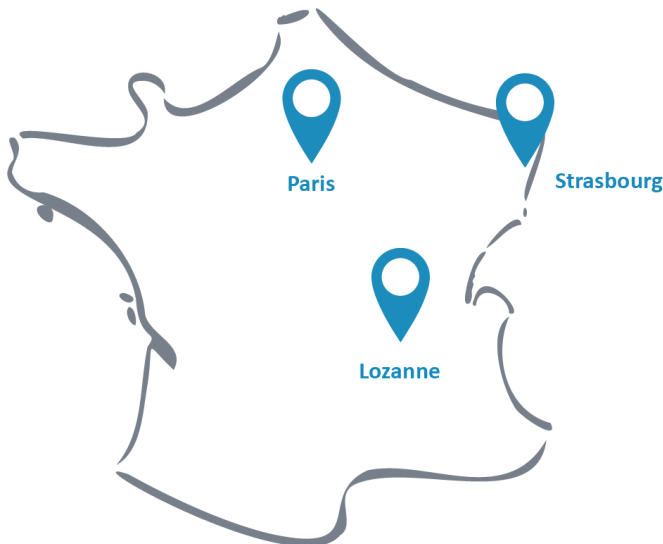
Validation or optimisation of the design of structures prior to construction in order to guarantee their correct operation.



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.

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