

Environmental consultancy expert in the fluid dynamic analysis of processes through computational simulation techniques and experimental measurements **with more than 30 full-scale validated references.**



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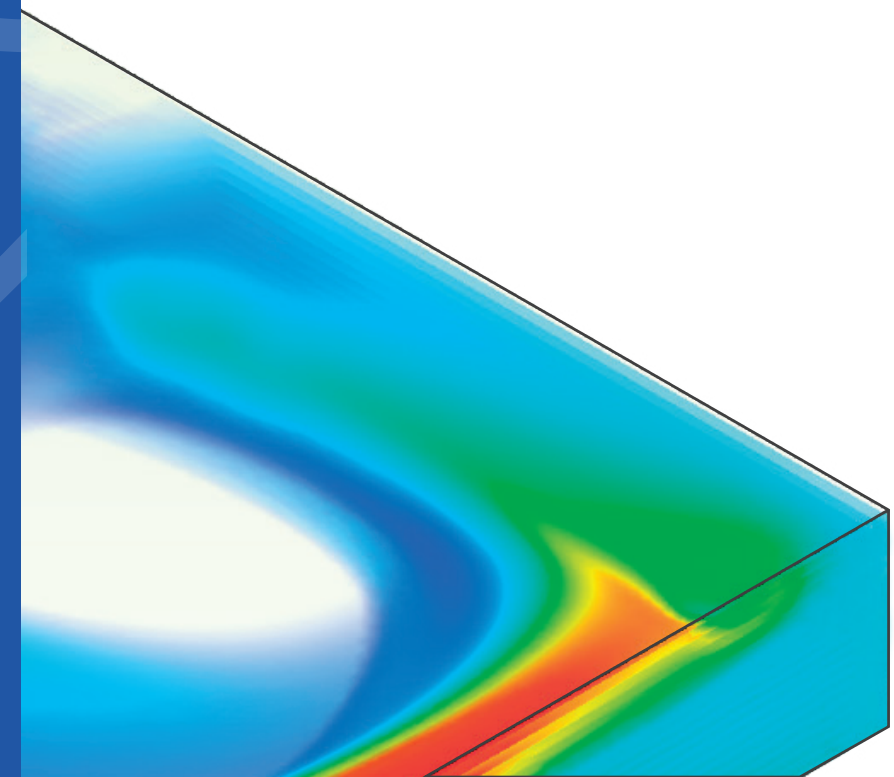
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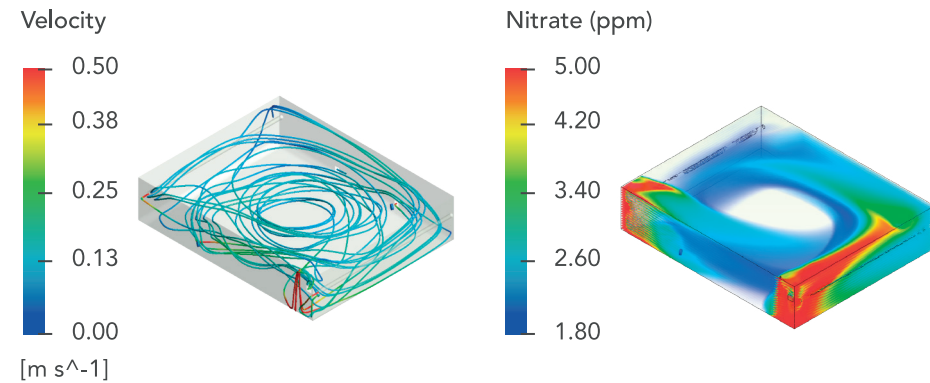
CFD MODELLING and SIMULATION



Water treatment CFD modelling

Core projects / Applications

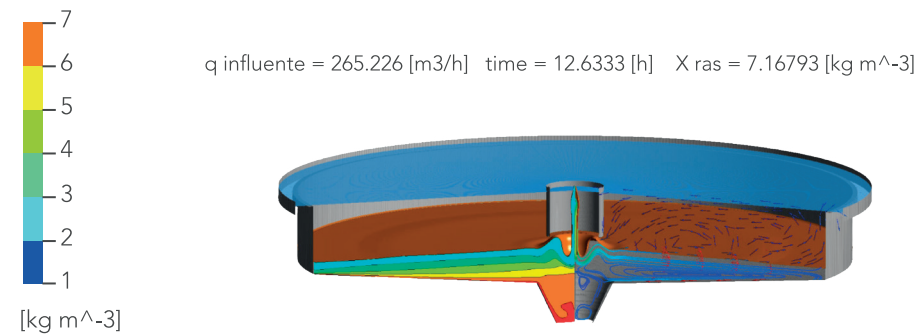
Multiphase Flow | Mixing optimization | Tracer Techniques
Experimental Validation | Rheological models | Biochemical models
Oxygen Mass Transfer | Equipment performance
Wastewater treatment simulation using BLOWIN



Water treatment processes

Degritters | Sedimentation tanks | Anaerobic digesters | Algal Ponds
Chlorination tanks | UV Disinfection systems | Secondary Clarifiers
Biological reactors

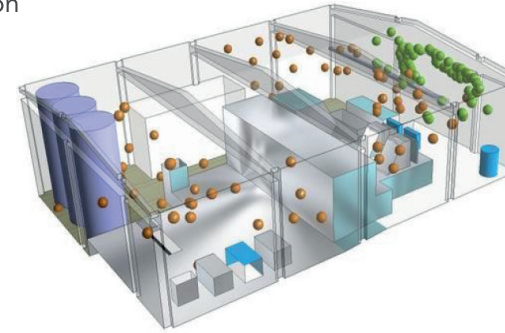
floc.Mass Concentration
Contour 1



Air pollution modelling

Indoor CFD

Ventilation system | Air Pollutant concentrations
Odour Impact | Sensorization



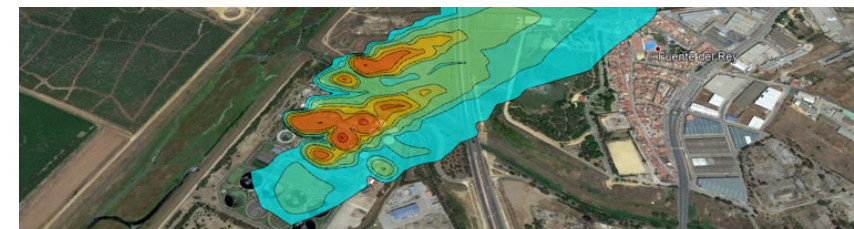
Outdoor CFD

Artificial Intelligence | Digital Twin | Pollutant Distribution



Odour modelling

Environmental impact | Odour PUFF calculations
Troubleshooting | What-if Analysis



Environmental discharge modelling

Environmental impact on natural streams

Mixing Zone Analysis | Water Body Diagnosis | Sensorization
Pollutant Distribution

Sal.Mass Concentration

