



# La Fondation Dassault Systemes funded Research Project



Interactive contents development enabling the deeper understanding of fluid mechanics and hydraulic engineering concepts in engineering education with Virtual what-if analysis capabilities

To create interactive 3D simulation contents on total pressure and centre of pressure to provide better understanding of the problems on tank, dams, lock gates.

To create interactive 3D simulation contents on drawdown and backwater effects in the channel and validate the results experimentally.

To create interactive 3D simulation contents on Rapid varied flow and validate the results experimentally via channel design setup.

To create learning content using the simulation with Virtual what-if analysis capabilities.



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