COMPUTATIONAL FLUID DYNAMICS (CFD) SIMULATIONS FOR PHARMA PROCESSES

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Computational Fluid Dynamics (CFD) simulations are the best scientifical solution to predict the behaviour and calculate the parameters for a lot of pharma processes. By using our CFD simulation services in the design phase of a project, you will be able to find the best technical solution and to avoid a lot of issues like, for example, the following that could occur in the tank/reactor mixing processes:

- Nonhomogeneous suspensions/emulsions
- High mixing/heating times
- Foaming
- Cells damaging (for bioreactors)
- Process transfer/upscale failures
- Under/oversize motor power
- Overheating of sensitive/EX products.

