

CFD: “COLORFUL” FLUID DYNAMICS TO BRIGHTEN YOUR WATER TREATMENT WOES

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Computational Fluid Dynamics (CFD) is a powerful engineering tool that can provide valuable insight into the performance of separators, skim tanks, induced gas flotation vessels, etc. The results from several studies will be used to illustrate how this technology can reveal design defects in water treating and other process equipment as well as provide information for improving system performance. Animations generated by CFD calculations will be used to show how the visualization of flow patterns in vessels can greatly enhance one's understanding of how oil/water separation equipment actually works.