

Workshop - Computational Fluid Dynamics (CFD) for Water Treatment Industry (Success in Water industry with CFD)

Introduction

It is expensive and time consuming to conduct experiments for water industry, especially for large scale water treatment plant. The design and development in this industry typically involves conducting analysis on multi-phase flow for mixing, thermal analysis or even on the UV disinfection. Hence, with the aid of Computational Fluid Dynamics (CFD), it assists engineers to achieve the above study with the least amount of effort. In order to succeed in the water industry, do attend this workshop to find out more about solutions for your organization.

Objectives

This workshop aims to provide an overview and hands-on experience for audience from water industry on ANSYS CFD solution.

Benefits

- ANSYS Fluid Dynamics simulation technology is a very powerful, well established fluid dynamics solver which can help project engineers and decision makers to obtain critical insight on flow structure, pressure, velocity, aero-acoustic and temperature distribution, thereby helping engineers make better engineering decisions.
- Enables you to predict with confidence that your products will thrive in the real world. Customers trust our software to help ensure the integrity of their products and drive business success through innovation.

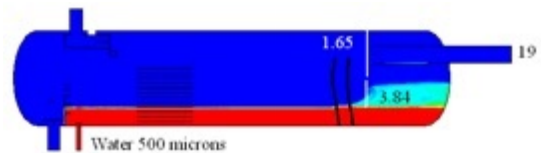
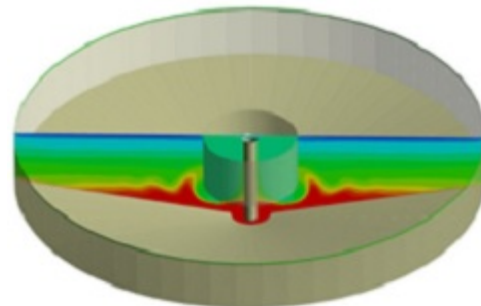
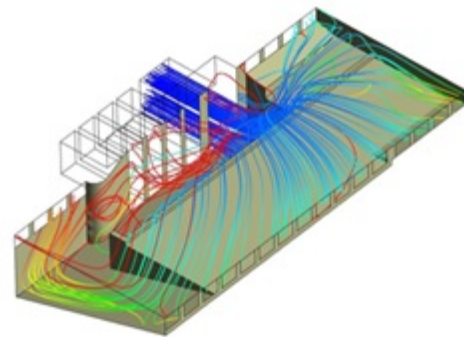
Who Should Attend

Contractors, Directors, Engineers, Researchers, Managers and Business Owners from waste water and water treatment industry

What customers say about our solutions

"ANSYS is a very formidable simulation tool in speeding up R&D work and reducing the needs of multiple design iterations."

Wihaga Satya Khresna, Lead Engineer, Halliburton Sperry Drilling Technology



Ref: N.Kharoua, CFD Modelling of a horizontal 3-phase separator: A population Balance Approach, American Journal of Fluid Dynamics, 2013

"We use ANSYS software because we need to speed up our development process for new products by speeding up all phases of design. With simulation we can investigate inside our products virtually, not physically, and look at detail that would be impossible to evaluate otherwise. We can improve the efficiency of our products by investigating small changes in parameters and spend less time than we would for creating a real prototype and testing."

Matteo Cipelli, Advanced Engineering COE Manager, Lowara Srl

"Without ANSYS, we would go in blind designing new reactors or making modifications to existing equipment. The confidence level that we get from using simulation is very high: We generally understand the preferred direction to pursue, rather than going in all possible directions."

Matteo Fumagalli, Innovation Engineer, MEMC

Facilitator's Info



Dr Vincent Chai is currently a technical sales engineer at CAD-IT Consultants and is part of the technical and sales team that support customers in various disciplines and domains. He graduated from NTU with a Ph.D. degree in Mechanical and Aerospace Engineering, where his thesis is focused on flapping wings aerodynamics (experimental and numerical simulation study) for unmanned vehicles. He has worked as a project officer for DSTA project on debris flight analysis and Research engineer from NIDEC Singapore.

Workshop Information

Date : 7th November 2014 (Friday)
Time : 9:30 am - 12:30 pm
Venue : CAD-IT Consultants (Asia) Pte Ltd
159 Sin Ming Road, #03-05, Amtech Building, Singapore 575625 ([view map](#))

Register NOW

- Register online for this FREE one-off seminar.
- This workshop is meant as a general overview; participants who wish to be proficient in CFD and multi-physics analysis by ANSYS FLUENT and ANSYS Mechanical should attend the relevant training course(s). Please email at training@cadit.com.sg
- CAD-IT Consultants reserves the right to cancel or postpone the event due to unforeseen circumstances.

For enquiries, please call 6508-7575 or email at caditevents@cadit.com.sg

About CAD-IT Consultants

Founded in 1991, CAD-IT is a leading global ISO 9001:2008 certified Product Life Cycle Management (PLM), manufacturing and education provider. CAD-IT's mission is to provide world-class solutions and services that enable companies and their supply chains to achieve greater product innovation, quality and productivity with drastically reduced time-to-market and costs.

CAD-IT is honored to have received over 80 international and national awards since its inception for marketing and service excellence. Among its most recent accolades are the Singapore Enterprise 50 Award (2013, 2012), Singapore SME 1000 (2014,

2013, 2012, 2011), Asia Pacific Entrepreneur Award (APEA) - Outstanding Entrepreneur Award (2012, 2010, 2009), the Singapore Prestige Brand Award SPBA - Established Brand Award (2012, 2011, 2010, 2009), SPBA - Regional Brand Award 2012 and SPBA - Hall of Fame 2012.

CAD-IT Consultants' suite of PLM solutions include ANSYS (System-level, Multiphysics Simulation), Goldfire Innovator (Innovation Process Management), Moldflow (Plastics CAE), Stampack (Sheet Metal Forming), Deform (Bulk Metal Forming CAE), SpaceClaim (3D Direct Modeler), Mentor Graphics Valor DFM (Design For Manufacturing), Valor MSS (Complete Manufacturing Execution Suite) and Cortona3D (3D Technical Documentation).

Since February 2010, CAD-IT has partnered the Singapore Workforce Development Agency (WDA) to offer Advanced Certificate courses in PLM and Engineering Simulation, under the Workforce Skills Qualifications (WSQ) framework, with the charter to upgrade the technological capabilities of organizations in Singapore so as to enable them to undertake high value-add design, engineering, manufacturing and R&D activities.



CAD-IT Consultants (Asia) Pte Ltd

HQ: 159 Sin Ming Road #03-05 Amtech Building Singapore 575625

Tel: (65) 6508 7575

Fax: (65) 6454 3766

Email: sales@cadit.com.sg

www.cadit.com.sg

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