

New CFD Cloud Application Provides Solutions at Fraction of Cost, Time, Says Altair VP Dr. Farzin Shakib

Altair of Troy has released CFDcalc, an on-demand and affordable computational fluid dynamics (CFD) application, built on top of Altair's industry-leading CFD solver, AcuSolve.

Leveraging the reliability, efficiency and near-instant availability of Amazon Web Services (AWS), this innovative cloud application serves as both a software-as-a-service (SaaS) application and as a platform-as-a-service (PaaS) application.

With this, users can access high-end CFD technology as an online, cloud-based service, and industry experts can take advantage of the vertical framework and easily develop their own vertical CFD applications, a company spokesman said.

CFDcalc comes with two pre-packaged, special-purpose vertical applications that are developed to solve two common yet challenging CFD problems: fluid mixing in the industrial and consumer mixing industry, and thermal cooling in the electronics industry.

Altair will offer additional vertical applications while promoting experts and developers around the world to use the framework to develop new applications.

This further enhances the portfolio of solutions, a spokesman said.

"Running complex CFDcalc solutions on AWS enables users to have virtually unlimited on-demand computer resources, and allows the CFDcalc services to scale up or down as needed," said Terry Wise, director of Worldwide Partner Ecosystem, AWS.

"We are excited to be working with Altair to bring these innova-

tive and cost-effective CFD solutions to our joint customers."

"CFDcalc," said Dr. Farzin Shakib, vice president of CFD Technology at Altair, "brings high-end CFD technology to the general engineering community, allowing all levels of users – from casual designers and analysts to expert developers – to take advantage of the same technology used by Fortune 500 companies as an online CFD simulation tool or platform for application development."

"This new kind of cloud application, with an intelligent Web interface, requires no CFD expertise for users, eliminating the up-front cost of purchasing hardware and software, and provides solutions at a fraction of the cost and time previously required. It also provides the means for CFD experts to design, develop and deploy calculators on CFDcalc and market them globally."

Employing CFDcalc as a PaaS technology, Altair will enable new waves of developers to build and deploy new vertical applications that they otherwise may not be able to do, helping fuel and create a social network community that connects CFD experts with a wide variety of potential users.

Furthermore, companies can deploy CFDcalc on Amazon Web Services for their dedicated use, the spokesman said.

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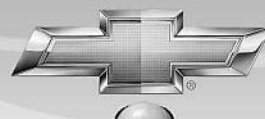
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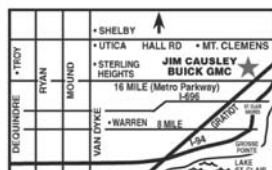
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