

# dezineforce to showcase SaaS-based engineering design optimisation service at All-Energy 2009

Submitted by: The Crocodile Design & Marketing Ltd

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Dr Althea de Souza from dezineforce and Dr Andrej Horvat from Intelligent Fluid Solutions to co-present a technology update on optimisation and wind farm layout

dezineforce (<http://www.dezineforce.com/>), the world's first provider of web-based, on-demand engineering design optimisation, will be exhibiting at All-Energy 2009, the exhibition and conference devoted to renewable energy. The event will be held in Aberdeen, Scotland on 20-21 May 2009. dezineforce will use All-Energy 2009 to showcase its innovative SaaS-based (software as a service) engineering design optimisation service.

Joining dezineforce (<http://www.dezineforce.com/>) at All-Energy 2009 will be fluid engineering specialists and dezineforce consulting partner Intelligent Fluid Solutions. Intelligent Fluid Solutions is improving wind farm yield through the application of advanced simulation and optimisation. The combination of dezineforce optimisation tools and innovative simulation models developed by Intelligent Fluid Solutions of wind turbines and complete wind farms allows investigation into alternative wind farm layouts and the effects of variations in local atmospheric conditions. Dr Althea de Souza from dezineforce and Dr Andrej Horvat from Intelligent Fluid Solutions will co-present a technology update on the use of simulation and optimisation for wind farm design as part of the onshore wind stream of the conference on 20 May 2009.

Dr Peter Collins, dezineforce (<http://www.dezineforce.com/>) CEO, comments: "Wind farm simulations are usually constrained by the computational requirements of such complex models but with the dezineforce compute cluster processing capability there are no such restrictions. Working with Intelligent Fluid Solutions we have developed solutions to the limitations and inefficiencies of the computer-based design process for wind farm design. These solutions will enable engineering companies and manufacturers working in the renewable and sustainable energy sector to raise their design capability to an entirely new level."

dezineforce (<http://www.dezineforce.com/>) will also use All-Energy 2009 to showcase the more general applications of its web-based design optimisation service. Simulation has become a crucial part of the design process. dezineforce gives design engineers cost-effective access to a unique combination of cutting-edge design optimisation tools, world class high-performance computing and an array of industry-leading simulation tools for structural, fluid dynamics and mechanism analysis. Crucially, it does so without the hidden costs of traditional software use, particularly hardware, consulting, IT support and maintenance. Because it is delivered over the Internet, dezineforce can be accessed from anywhere in the world, by whomever the subscribing company chooses, facilitating collaboration between design engineering teams in different locations.

Ends.

About dezineforce:

dezineforce is a powerful web-based engineering design optimisation service, which gives design engineers cost-effective access to a unique combination of cutting-edge design optimisation tools, world class high-performance computing and an array of industry-leading simulation tools for structural, fluid dynamics and mechanism analysis.

Available on-demand and on a flexible subscription basis, the dezineforce service dramatically cuts the cost of engineering design optimisation by removing upfront capital expenditure on hardware and software, and dramatically reducing costs associated with supporting complex IT infrastructure and tools. dezineforce members have access to proven optimisation software and a suite of CAE tools from the leading vendors, all running on powerful computing clusters.

dezineforce is the result of 100 man-years of development led by acknowledged leaders in the world of CAE and high-performance computing, including Simon Cox, director of the Microsoft Institute for High Performance Computing at the University of Southampton, and Andy Keane, director of the Rolls-Royce University Technology Centre for Computational Engineering at the University of Southampton.

dezineforce customers come from a wide range of industries including aerospace, civil engineering and architecture, renewable energy and automotive, and include Arup, Contour, Nucon Industries, Gifford and Hyde Engineering.

For additional information on the dezineforce service or for a free trial contact dezineforce on +44 1489 611 842 or visit [www.dezineforce.com](http://www.dezineforce.com)

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