

Whirlpool Optimizes Design Problems and Significantly Cuts Prototyping Time and Cost



"Engineers look for opportunities to grow their skills. In this context, the beauty of the APA is that it offers engineering teams an entire suite of simulation packages and the option of accessing infrequently used programs on-demand, without committing to long-term licensing agreements."

Praveen Poojary
Head, Simulation Based Design
Whirlpool Global Technology &
Engineering Centre, India

Challenge

Whirlpool was looking to scale up the capacity of its Indian design center to accommodate a greater commitment to virtual design, testing, and evaluation, but the high licensing costs of technical solutions was a major deterrent.

Solution

Access to the Altair Partner Alliance enabled Whirlpool to utilize pre-processing, post-processing, solver, and fatigue analysis solution all under one licensing platform. They perform CFD analysis using AcuSolve and fatigue analysis with nCode DesignLife to test the life of the steel components, a first for Indian appliance design teams.

Impact

- Became more cost-efficient with greater access to virtual prototyping and optimization tools without additional investment
- Innovative licensing system allows more engineers to work on virtual prototyping at the same time
- Cost savings and increased access to technology allowed Whirlpool to explore new competencies/techniques to deliver the projects more efficiently
- Shortened time-to-market for new models. Significantly reduced the prototyping cost and time

Looking Forward: Whirlpool Corporation plans to...

- Investigate FEKO by EMSS for the simulation of electromagnetic fields

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Altair's vision is to radically change the way organizations design products and make decisions. We take a collaborative approach to solving diverse and challenging problems through the strategic application of technology and engineering expertise. Developing and applying simulation technology to synthesize and optimize product development processes for improved business performance is our specialty.

From computer-aided engineering to high performance computing, from industrial design to cloud analytics, for the past 29+ years Altair has been leading the charge to advance the frontiers of knowledge, delivering innovation to more than 5,000 corporate clients representing the automotive, aerospace, government and defense industries and a growing client presence in the electronics, architecture engineering and construction, and energy markets.

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About Altair Partner Alliance

One Platform. One License. One Source. **All Access.**

Altair's HyperWorks® platform applies a revolutionary subscription-based licensing model in which customers use floating licenses to access a broad suite of Altair-developed, as well as third-party software applications on demand. The Altair Partner Alliance effectively extends the HyperWorks platform from more than 20 internally developed solutions to upwards of 60 applications with the addition of new partner applications. Customers can invoke these third-party applications at no incremental cost using their existing HyperWorks licenses. Customers benefit from unmatched flexibility and access, resulting in maximum software utilization, productivity and ROI. For more information about the Altair Partner Alliance, visit:

www.altairalliance.com



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