



Ansys Supports LG Electronics to Advance Their Sustainability and Digital Transformation Efforts

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Ansys will help LG Electronics to accelerate sustainability and digital transformation efforts through simulation-powered product development over the next five years

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/ Key Highlights

- Ansys' best-in-class simulation solutions will help LG to develop their next-generation technologies with a focus on sustainability and digital transformation
- Ansys and LG Electronics will enter into a new multiyear enterprise license agreement that will direct collaborative innovation fueled by simulation-based research and development (R&D)

[Ansys](#) (NASDAQ: ANSS) is supplying simulation solutions to LG Electronics to help strengthen its sustainability and digital transformation efforts by integrating virtual R&D simulations based on computer-aided engineering (CAE) into the earliest stages of product development. The integration will increase engineering and product efficiency while reducing development time, the need for physical prototyping, and the costs associated with it. The collaboration will be supported by a new five-year enterprise license agreement, which provides LG Electronics with continued access to Ansys' top-tier simulation solutions, building upon a longstanding relationship and previous agreement.

Ansys simulation solutions will support LG to accelerate and optimize product development in its core technologies and sectors like healthcare, sensors, equipment, and materials, which are major technology areas for LG Electronics' digital transformation. For example, Ansys' virtual model capable of 1D–3D coupling can support LG Electronics to develop the dynamic characteristics of the compressor, a core module of home appliance products, which expanded design options. Further, with a predictive accuracy of more than 95% on performance, Ansys' simulation solutions enabled resource-efficient production that streamlined product development more sustainably by significantly reducing material use, costs, and multiple redesigns.

"With proactive support from Ansys, we can streamline workflows and introduce high-quality, next-generation products faster than expected," said Daehwa Jeong, executive vice president and head of PRI (Production engineering Research Institute) at LG Electronics. "We are confident in our shared growth opportunities and look forward to seeing future developments. Just as importantly, we will lessen our carbon footprint and move digital transformation forward."

"By applying Ansys' CAE and advanced simulation solutions, including artificial intelligence/machine learning (AI/ML), high-performance computing, digital twins, optics, and the healthcare vertical, Ansys will undoubtedly help LG Electronics to advance product development, while supporting sustainability and digital transformation," said Prith Banerjee, chief technology officer at Ansys. "Any collaboration between LG Electronics and Ansys — whether creative, strategic, or technological — is inspired, timely, and a win–win for both companies."

The partnership with LG Electronics proved its impact during the pandemic as Ansys provided engineers at LG Electronics with access to the Ansys Learning Hub to gain critical simulation training virtually while in-person contact and on-site resources were limited. Under the new agreement, the companies will expand collaborative innovation through joint technology seminars, conferences, and other opportunities.

/ About Ansys

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technology, chances are you've used a product where Ansys software played a critical role in its creation. Ansys is the global leader in engineering simulation. Through our strategy of Pervasive Engineering Simulation, we help the world's most innovative companies deliver radically better products to their customers. By offering the best and broadest portfolio of engineering simulation software, we help them solve the most complex design challenges and create products limited only by imagination. Founded in 1970, Ansys is headquartered south of Pittsburgh, Pennsylvania, U.S.A. Visit www.ansys.com for more information.

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