**Altair to Showcase AI-Powered Engineering Capabilities at Hannover Messe 2024**

*Key topics will include democratizing AI, supercharging data-driven manufacturing, and more*

**TROY, Mich., April 10, 2024 –** [Altair](https://www.altair.com/) (Nasdaq: ALTR), a global leader in computational intelligence, will demonstrate the power of artificial intelligence (AI)-powered engineering at Hannover Messe 2024, taking place April 22-26 in Hanover, Germany. In  a market where the industry has utilized commercial simulation software for decades, Altair’s AI-powered engineering stands above the rest thanks to unparalleled technology that democratizes AI across the product life cycle, empowering users and organizations of all specialties and sizes to revolutionize simulation-driven innovation.

At the event, Altair will show how companies can succeed in their quest for digital transformation by applying simulation, data analytics, AI, and high-performance computing (HPC). Specifically, Altair will be focused on four key areas: AI-powered engineering, simulation-driven design, AI on the factory floor, and digital twin.

**AI-Powered Engineering**

Attendees will learn how Altair’s AI-powered engineering technology – including generative design – can harmonize lightweight design, functional requirements, and manufacturability. Visitors will also discover how AI-powered engineering accelerates computer-aided engineering (CAE) processes and outcomes; delivers rapid physics predictions; enhances shape recognition, design generation, and design optimization, and more.

On the show floor, Altair will walk through how AI-powered engineering can harmonize lightweight design, functional requirements, and manufacturability, as seen in a [megacast vehicle rear structure](https://web.altair.com/megacasting).

**Simulation-Driven Design**

Despite finite element method (FEM) software being commercially available for half a century, the key bottleneck in development is still the transformation of a CAD design into a simulation model. Altair’s unique solution enables designers and engineers to integrate simulation into the design process, informing the direction from the beginning and achieving performance targets quickly. Altair's simulation-driven design offers a smarter approach to product development, delivering innovation at lower cost.

Altair will demonstrate how simulation-driven design can save lives by showcasing examples like [DRILL-X](https://altair.com/resource/fighting-fire-with-innovation-altair-inspire-empowers-m-h-cnc-technik-to-optimize-synex-s-innovative-fire-extinguisher?lang=en) – the world’s first fire extinguishing device that combines drilling and extinguishing – made possible by Altair tools and additive manufacturing.

**AI on the Factory Floor**

While most companies are investing or planning to invest in data analytics and AI, [recent data shows](https://altair.com/resource/altair-frictionless-ai-global-survey-report-2023) that only 13% of companies excel at delivering on their data strategy. At the event, Altair will feature [data solutions](https://altair.com/altair-rapidminer) that scale AI initiatives without requiring a big team of data scientists or expensive service engagements. Attendees will learn how Altair’s data analytics platform optimizes supply chains, helps plan maintenance, optimizes warranty processes, and more.

**Digital Twin**

Altair will also showcase its best-in-class [digital twin](https://altair.com/digital-twin) capabilities and will welcome [LTTS](https://www.ltts.com/) to its booth for two hours per day for an on-demand digital twin demonstration displaying Altair’s solutions in action. Additionally, attendees are invited to taste the most sustainable coffee at Hannover Messe, brought to you by [Altair and Gruppo Cimbali’s innovative, digital twin-powered coffee machine](https://altair.com/resource/digital-twins-boost-barista-altair-helps-gruppo-cimbali-speed-up-innovation-and-go-to-market?lang=en).

For more information, visit the Altair booth at Hannover Messe 2024, Hall 17, booth D25 and [Click here to learn more about Altair and Hannover Messe 2024](https://web.altair.com/en/altair-at-hannover-messe).

###

**About Altair**

Altair is a global leader in computational intelligence that provides software and cloud solutions in simulation, high-performance computing (HPC), data analytics, and AI. Altair enables organizations across all industries to compete more effectively and drive smarter decisions in an increasingly connected world – all while creating a greener, more sustainable future. To learn more, please visit [www.altair.com](https://www.altair.com).

**Media contacts**

Altair Corporate Altair Investor Relations

Bridget Hagan Monica Gould, The Blueshirt Group

+1.216.769.2658 +1 212.871.3927

[corp-newsroom@altair.com](mailto:corp-newsroom@altair.com) [ir@altair.com](mailto:ir@altair.com)

Altair Europe/The Middle East/Africa

Charlotte Hartmann

+49 7031 6208 0

[emea-newsroom@altair.com](mailto:emea-newsroom@altair.com)