



## COMAU'S TO DEVELOP A SAFER AND MORE EFFICIENT NEXT-GENERATION BATTERY TESTING SOLUTION FOR THE FASTEST PROJECT

- Fastest is an EU project that aims to accelerate the development process of reliable, safer and more durable batteries
- Comau is tasked with designing the underlying digitalization and implementation strategy
- The final testing solution is expected to reduce the overall time and costs of battery production by at least 20% in addition to significantly reducing the need for experimental testing

**Turin, January 17, 2024** – Comau has committed to developing the digitalization strategy for a next-generation battery systems testing platform as part of a multi-country, multidisciplinary consortium in support of the FASTEST project. Under the scope of the project, Comau will leverage its longstanding expertise in digitalization, process simulation and electrification to significantly accelerate the testing and verification of automotive and stationary batteries. This is expected to reduce the overall time and costs of battery production by at least 20% in addition to decreasing the number of physical experiments and the subsequent reduction in materials costs.

Comau's role is to both optimize the digitalization strategy and integrate its powerful In.Grid IoT platform to analyze the Digital Twin data. This will make it possible, in a second phase, to enable a complete information exchange with the virtual environment and further shorten time to market for battery manufacturers. Once the infrastructure has been validated, Comau will also help lead the industrialization pathway in close collaboration with the research centers, universities, industry players and cell manufacturers that are part of the consortium.

The FASTEST project is supported and promoted by the European Union within the framework of the Horizon Europe research and innovation program. Unlike current experimental testing methodologies that can take years to complete and are arguably expensive, the project's intended use of a Digital Twin will allow customers to replace physical deployment with data-driven models, thus accelerating the testing and implementation process.

*“This pioneering initiative aims to significantly lower the time and investment required for the development of batteries, cells and processes, confirming our efforts in innovative solutions for e-Mobility, as well as other sectors. The success of this project will help improve the competitiveness of the European battery industry within and beyond automotive, and is perfectly aligned with our development roadmap for current and next generation technologies,”* explains Stefania Ferrero, Comau Chief Marketing Officer.



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As part of Comau's unwavering commitment to energy transformation solutions, the company is also actively involved in three of Europe's top battery consortiums, having joined the European Battery Alliance (EBA), the Batteries European Partnership Association (BEPA) and the European Technology and Innovation Platform (ETIP) at the beginning of 2021. Similarly, Comau is a partner of Upcell – European Battery Manufacturing Alliance, an association that promotes the creation of an integrated European value chain for the development and production of electric batteries, and is also participating in numerous other projects regarding electrification as part of the HORIZON 2020 and HORIZON EUROPE programs.

#### ABOUT COMAU

Comau, a Stellantis company, is a worldwide leader in delivering sustainable advanced automation solutions. With 50 years of experience and a global presence, Comau is helping companies of all sizes in almost any industry leverage the benefits of automation. Backed by a continuous commitment to designing and developing innovative and easy to use technologies, its portfolio includes products and systems for vehicle manufacturing, with a strong presence in e-Mobility, as well as advanced robotics and digital solutions to address rapidly growing markets in industrial sectors. The company's offering also extends to project management and consultancy. Through the training activities organized by its Academy, Comau is committed to advancing the technical and managerial knowledge necessary to face the challenges related to automation and leverage the opportunities of a constantly changing marketplace. Headquartered in Turin, Italy, Comau has an international network of 5 innovation centers, 5 digital hubs, and 12 manufacturing plants that span 12 countries and employ 3,700 people. Together with its wide network of distributors and partners, the company is able to respond quickly to the needs of its customers, no matter where they are located throughout the world.

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