

SOGECCLAIR and AddUp strengthen their partnership in metal additive manufacturing for Aerospace and Defense

Blagnac and Cébazat, France – Building on nearly a decade of collaboration, SOGECCLAIR and AddUp, a subsidiary of Fives Group, are taking a new step forward with SOGECCLAIR's acquisition of a FormUp 350 metal 3D printing machine. This move follows the creation of the PRINTSKY joint venture in 2016, dedicated to developing industrial projects and advancing the maturity of metal additive manufacturing for the Aerospace, Space, and Defense sectors. The installation of AddUp's FormUp 350 at SOGECCLAIR's Toulouse site will accelerate the integration of metal 3D printing into its industrial production processes.

TOWARDS A COMPLETE VALUE CHAIN IN ADDITIVE MANUFACTURING

This deployment marks a key milestone in SOGECCLAIR's development as a provider of complex solutions and confirms its commitment to accelerating the industrialization of technical parts using metal additive manufacturing. With strong expertise in design and industrialization, SOGECCLAIR develops and manufactures high-value-added components, including thermal equipment that meets the demands of current and next-generation aircraft.

The FormUp 350 will complement SOGECCLAIR's thermofluidic equipment test bench, which simulates thermal cycles and multi-fluid stresses experienced by heat exchangers. This ensures the reliability and performance of parts produced using this complex technology, addressing future industrial challenges.

Stéphane ZIRILLI, VP SOGECCLAIR EQUIPMENT Innovative Materials: "Integrating this machine from AddUp's FormUp range marks a major milestone. It enables us to offer our clients a complete solution, from design to qualification of complex parts, including series production. This is a key step toward realizing our industrial ambitions."

SOGECCLAIR already has experience with the FormUp 350, as demonstrated by the success of the ECCAD project, funded by CORAC of the DGAC. This aluminum heat exchanger, designed for aerospace, features thin walls (down to 150 µm) and double-curved channels that are impossible to produce using conventional techniques.

The FormUp 350 enables the production of parts with complex geometries and advanced mechanical performance. Its multi-laser powder bed fusion (L-PBF) technology and real-time monitoring system ensure consistent quality, essential for critical components exposed to extreme environments. Its ability to optimize part topology allows for lightweight structures without compromising robustness, a major advantage for Aerospace, Space, and Defense. High-precision surface finishing (up to 4 µm Ra) enhances thermal and fluidic performance, while its closed systems ensure safe powder handling, compliant with strict traceability and safety standards for critical applications.

AN INDUSTRIAL ALLIANCE SERVING CRITICAL SYSTEMS

Julien Marcilly, President of AddUp: "Our long-standing partnership with SOGECCLAIR perfectly illustrates our commitment to supporting manufacturers in their transition to additive manufacturing. Through our technological expertise and LevelUp service program, we support them in strengthening their capabilities and meeting the demands of the Aerospace and Defense sectors. This strategic collaboration allows us to consolidate our position in critical applications and co-develop the industrial solutions of tomorrow."

With the integration of the FormUp 350, SOGECCLAIR enhances its ability to offer a complete value chain: from designing parts optimized for additive manufacturing to their production, qualification, and validation on its thermofluidic test bench. This integrated approach meets the requirements of critical systems, particularly in Aerospace, Space, and Defense. It also aligns with an industrial transformation toward innovative, reliable, and sustainable production processes, positioning SOGECCLAIR as a key player in the industrialization of high-value-added solutions.

AddUp, with collaborations involving Dassault Aviation, Thales, and the DGA, has recognized expertise in Aerospace, Space, and Defense. Strategic projects such as MASSIF, focused on developing a new machine for large-scale part production and supported by the France 2030 program, or sending a machine to the International Space Station, demonstrate the maturity and robustness of its solutions for critical applications.

Together, AddUp and SOGECLAIR are combining their expertise to accelerate industrial adoption of additive manufacturing and pave the way for a new generation of critical solutions for Aerospace, Space, and Defense.

ABOUT SOGECLAIR

A provider of innovative, high value-added solutions for more sustainable and safer mobility, SOGECLAIR brings its expertise in high-quality engineering and manufacturing to cutting-edge sectors: aerospace, aeronautics, automotive, rail, and defense. Supporting its clients and partners from design and simulation through to end-of-life, across the entire manufacturing chain and commissioning, the company's teams are located worldwide to deliver high-quality, close-at-hand support to all customers.

SOGECLAIR is listed on Euronext Growth Paris – Euronext® Family Business Index – ISIN code: FR0000065864 (Reuters SCLR.PA – Bloomberg SOG.FP).

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ABOUT D'ADDUP

AddUp, a subsidiary of the Fives group, is the French leader in metal 3D printing. AddUp designs machines built by an industrial player for industrial players and offers a comprehensive range of services and support for all customers looking to transition to industrial metal additive manufacturing. With a portfolio including the FormUp® line of Laser Powder Bed Fusion (L-PBF) machines and the BeAM line of Directed Energy Deposition (DED) systems, AddUp provides scalable, highly productive solutions for the demanding applications of the medical, aerospace, and automotive industries. Headquartered in France with subsidiaries in the United States and Germany, AddUp also offers complete support through its LevelUp solutions, which guide customers throughout their additive manufacturing journey, from concept validation to industrial production.

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