

MECANO ID delivers first upgraded Hyperstable Composite Structures

MECANO ID takes a new step in its development for the supply of composite structures.

For years now, MECANO ID has been increasing its capability to deliver composite structures for space as evidenced by its recent decisions to create a dedicated product line for Space Structures and upgrade its hyperstable components, as well as its award of the ESA ARTES Core Competitiveness programme last summer for increasing the maturity of composite structural products manufactured by Automated Fiber Placement (AFP) process and applied to telecommunication satellites.

The company has now been selected by MDA in Canada, the largest independent supplier of satellite communications subsystems, to deliver hyperstable composite structures.

Following months of bid process and faced with the best international competition, the composite structures from MECANO ID have been finally selected for their stability, performance and their industrial capability and repeatability.

These structures will be integrated to MDA antennas subsystems for recurring telecommunication satellites. The best industrialisation teams from both side have been mobilized to face the program challenges in terms of lead time, serial manufacturing and cost.

The first flight models have just been delivered to MDA's site in Sainte-Anne-de-Bellevue, Québec.

Combining investments in R&D, engineering and industrial capabilities, MECANO ID has reached a key milestone in robotized products development and qualification, and the development of maturity and performance of these products will carry on along the year 2022.

MECANO ID thanks MDA for its fruitful collaboration and its confidence in our teams and means. This contract constitutes the first export contract implementing serial manufacturing with our automated robotic manufacturing technology.

These hyperstable technologies have been presented in Europe at the Space Tech Expo in Bremen, Germany last November 2021. They are presented in North America at the Space Symposium in Colorado Springs, USA in next April 2022.

About MECANO ID

MECANO ID is a French company based in Toulouse employing 85 people and with 27 years in experience, mainly dedicated to spacecraft structures engineering, manufacturing and testing. Its experience in space subsystems development is strong as they directly provide the European Spacecraft constructors AIRBUS DEFENCE & SPACE and THALES ALENIA SPACE for years with the highest level of quality.

<https://www.mecano-id.fr/en/home/>

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