TOD

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About TOD project

Thermoplastic composites can reduce cost and save weight in airplane structures. Currently on the market there is no thermoplastic door available for commercial aircraft. The overall goal of TOD project is to demonstrate and validate the manufacturing process of thermoplastic door components, induction welding assembly process, additive manufacturing and metallic parts of door mechanism, metallic and thermoset parts of surrounding structure of the passenger and service door of an aircraft.

Hear from our Experts

"It is a great pleasure being part of TOD project where we have the opportunity to verify the maturity and readiness of thermoforming process technology and material on aeronautical primary structure like a passenger door. Starting from projects carried out in the past, where DEMA acquired preliminary skills and competencies in managing thermoplastic material and the related manufacturing process, the team was able to implement all the improvements coming out of the past experience to optimize the process parameters and the design of the tools, along with new specific numerical simulation. The design phase is arriving to the end and now it is time to transform in reality what our engineers have developed so far".

Antonio Miraglia, Product Engineering Chief, DEMA spa

TOD News

- **We are very happy that the manufacturing process of the components of the passenger and service doors has started.**
- **Our partner CETMA and its activities in TOD project was featured on CompositesWorld.**

Upcoming Events

FARNBOROUGH INTERNATIONAL AIRSHOW CONNECT 20-24 JULY 2020

easn 10th EASN Virtual International Conference on 2 - 4 SEPTEMBER 2020

Partners

TWI CETMA dema

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