

Geven takes on project coordinator role for onboard accessibility initiative



Geven is project coordinator of the CASTLE project

The CASTLE project (“Cabin systems design toward passenger wellbeing”) is a project coordinated by [Geven](#) that aims to introduce improvements in passenger comfort and ergonomics, addressing the specific needs of people with reduced mobility during flight. In its press release, Geven said that the CASTLE Project also introduces passive technologies that reduce noise and vibrations for passengers, as well as eco-friendly composites derived from recyclable and bio-based materials.

Geven, the project coordinator, has developed passenger seats, galleys, lavatories, lining panels, stowage bins and T/A insulation blankets. This cabin was installed in a full-scale demonstrator of a

regional aircraft fuselage at Leonardo's Large Structures Laboratory in Pomigliano D'Arco, Italy, and later at the Fraunhofer-Institut für Bauphysik IBP in Germany. Here, it serves as a technological demonstrator to test the comfort of trial subjects as part of the Clean Sky 2 "Regional" program.

"The CASTLE project showcases Geven's commitment to sustainability," the press release said.

To mitigate environmental impacts, bio-based materials were used in the full-scale regional aircraft demonstrator instead of fossil-based materials, resulting in at least a 22 percent reduction in the carbon footprint over the aircraft's entire lifespan.

Technologies developed under the Clean Sky program aim to achieve a net reduction of at least 30 percent in greenhouse gases (GHGs) compared to 2020.

"This goal supports the entry of a new generation of aircraft by 2035 and promotes the replacement of 75 percent of the world's civil aviation fleet by 2050," Geven said.