

Soisa Aircraft Interiors introduces sustainable armrest



Soisa Aircraft Interiors' sustainable armrest

[Soisa Aircraft Interiors](#) announced the launch of its new “organic armrest” in Hamburg, Germany, this week at the [Aircraft Interiors Expo](#) (AIX).

The armrest is made of a base of corn particles, marking a milestone in Soisa’s dedication to sustainability within the aerospace industry.

This initiative builds on Soisa's "From Waste to Wonder" program, which repurposed materials that would otherwise go to the landfill.

In 2023, Soisa produced approximately 5,200 armrests for various airlines, the press release said. To achieve this, the company used 2,000 square feet of polyethylene foam, which resulted in nearly 2,600 kg of CO2 emissions annually. The transition to a biodegradable material derived from corn waste will significantly reduce Soisa’s carbon footprint.

The corn-based material may also offer significant potential cost benefits, enabling Soisa to produce specialized moulds for each part number and thermoform the corn, streamlining their manufacturing processes.

“As the aerospace industry intensifies its focus on sustainability practices, airlines worldwide are increasingly striving to minimise their environmental footprint. Soisa is at the forefront of this movement, pioneering engineering in aerospace by thinking outside the box and exploring alternatives which promote a sustainable future,” said Jacobo Mesta, Sales and Growth Strategy at Soisa. “This innovative design not only highlights our commitment to environmental responsibility but also ensures that our products retain their aesthetic appeal, comfort, and high quality.”

The organic armrest will soon undergo testing and certification. This marks the company's first venture into working with biodegradable materials, aligning with its Net Zero 2050 initiatives.

Soisa is exhibiting at booth 6C41 in Hamburg from May 28 to 30.