

Making Economy ergonomic with LSEAT

This is a special feature from *PAX Tech's* [April 2024 Seating & IFEC issue](#), on [page 15](#).



The LSEAT solution in Economy Class

[LSEAT](#) is expanding its presence in the aviation marketplace with announcements scheduled for later this year. Currently, the company is gearing up for the Aircraft Interiors Expo ([AIX](#)) in Hamburg.

“Since the beginning of Economy Class, Economy passengers, which make up around 86 percent of the passenger population, have been seated in a chair instead of a seat,” Yves Hendrickx, CEO at LSEAT Engineering, tells *PAX Tech*.



Yves Hendrickx, CEO at LSEAT Engineering

He explains that the benefit to airlines of adapting LSEAT's Economy kit allows low-cost carriers to create a more comfortable experience in 20 to 30 percent of seats onboard, offering an ergonomic seat with a sleeping position of up to 45 degrees while maintaining the existing seat pitch. Then, part of a classic Economy Class cabin can be easily converted into a "Premium Economy Low Cost" without reinvesting in new seating.

The Form 1-issued LSEAT kit is produced by a British Company that designs cabin layouts for several airlines and supplies interiors to Rolls-Royce, Aston Martin and Bentley. Installing the LSEAT kit takes less than 20 minutes. The ergonomic mechanism is activated by the passenger shifting their body weight. Since no power supply is needed for this to occur, the seat and cabin certification can remain unchanged.

According to Hendrickx, the investment in the LSEAT kit pays for itself in less than three months if the airline adds a small markup to the regular Economy Class ticket price for the seats featuring the mechanism.

LSEAT will be exhibiting at the Aircraft Interiors Expo (AIX) in Hamburg this May, at booth 6B80. The company will have an Economy Class seat with the kit and another seat without so delegates can experience the additional comfort for themselves.