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**INNOVATIONS
AND TRENDS**



DLR Deutsches Zentrum für Luft- und Raumfahrt: Double decker train for Britain's rail networks



AeroLiner 3000 double decker train

At InnoTrans the German Aerospace Centre (DLR) and Andreas Vogler Studio will be exhibiting a 1:1 scale demonstrator of their innovative "AeroLiner 3000" project, which is sponsored by the RSSB. The design of the AeroLiner 3000 high-speed double decker train was inspired by business jets and conforms to HS2 "Classic Compatible Train" specifications for speeds of up to 400 kph. Due to its low height and width this double decker can operate on many parts of the existing UK rail network where clearances are minimal (PG1). This concept will increase passenger volume at a fraction of the cost of expanding the rail network. The AeroLiner 3000 creates less noise and consumes less energy than trains currently in use. The 9 m long demonstrator is aimed at highlighting the feasibility, ergonomics and aesthetic appeal of a double decker train that is compatible with the UK rail network.

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Subject to further change