



The Building Envelope Authority

## Metal In Action

### ISTANBUL AIRPORT, TURKEY SFS GROUP FASTENING TECHNOLOGY LIMITED



Designed by Grimshaw, with master planning by Arup, the Istanbul New Airport is a new 'mega-airport', replacing the city's Atatürk Airport, which will have six runways and the capacity to handle up to 200 million passengers annually once fully operational by 2030.

Heralded as the major hub at the intersection of Asia, the Middle East and Europe, the scale of the €7bn project is illustrated by the fact that 20,000 workers were employed on site at one time, supported by 58 cranes.

To protect maintenance teams with restraint systems, removing the possibility of a fall, the responsible contractor selected to use the Horizontal Lifeline system from SFS. This UK-designed and manufactured system has been installed across the 400,000 square metres standing seam roof, with 2,200 high load posts, which feature a special customized surface finish, interlinked by 18km of stainless steel wire. The result is a highly effective fall protection solution which is aesthetically sympathetic, comfortably accommodating the design intent.



The system was part of a package of building envelope solutions provided by the SFS Group. This included a range of high performance SFS SL2, SD6 and SD14 fasteners for the standing seam roof, plus thousands of GESIPA BULB-TITE<sup>®</sup> blind rivets. Close collaboration between the SFS teams in the UK and Turkey ensured the client could take full advantage of a tailor-made package backed with market-leading technical support and a team resourced to fulfil the tight delivery schedule.

SFS Fall Protection Systems are designed to provide fall protection on trapezoidal roof profiles, standing seam and flat roofs. The system is fully stainless steel manufactured, tested and certified to EN795:2012 and CEN/TS16415:2013.

Client	IGA
Architect	Grimshaw Architect
Location	Istanbul, Turkey
Installation size	400,000 square metres
Application	SFS Fall Protection Horizontal Lifeline System, high-performance fasteners



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