

The image shows the interior of a modern train carriage. The seats are dark blue with a textured, leather-like finish and are arranged in rows. Each seat has a light-colored wooden table attached to it. The carriage has large windows on the right side, and the floor is covered with a dark, patterned carpet. The ceiling is white with recessed lighting. In the top left corner, there is a logo for FISA with a small Italian flag below it. A blue banner with the text 'LEAN 1' is positioned on the right side of the image.

FISA

LEAN 1

Lightness and modularity

LEAN is the railway passenger seat of the latest generation, available in any configuration required by the market to satisfy any 1st and 2nd class application from commuter to high-speed trains and is developed on the basis of the most modern design criteria in the sector such as:

- **High modularity** oriented to the platform concept
- **Lightness**
- **Reduced life cycle costs** and enhanced maintainability
- **Aesthetical adaptation** to customized design

The seat is available in **LEAN1** and **LEAN2** versions.



LEAN

The **LEAN** seat introduces innovative concepts such as:

- Use of the **same components for different configurations** and general reduction of the number of components
- High **reliability**
- Satisfaction of the **most stringent resistance criteria** with an **exceptionally low weight**.



It is available in all the fixing configurations and with all the functions and accessories required by the market, and offers a **quick and simple disassembly concept** that allows to disassemble the padding and replace the covers in **just 4 minutes by unscrewing a single screw**.



LEAN1 version is based on the innovative concept of the **self-supporting iron shell welded on the support tube**, that offers exceptional characteristics of mechanical resistance and dynamic behaviour and is available in any configuration required by the market to satisfy any 1st and 2nd class application, particularly from regional trains to high speed trains.



LEAN 1







LEAN 1

FISA

LEAN 1





FISA

LEAN 1



LEAN seat is **compliant to the main mechanical resistance and fire performance standards** required by the international railway market as:

EN 45545
EN 16989
TSI Loc&Pas
UIC 566
UIC 567
AFNOR NF F 31-119
EN 12663
GM/RT 2100
GrulaSi



We look to the future by investing in the present



FISA Fabbrica Italiana Sedili Autoferroviari Srl - ITALY
Tel. +39 0432 986 071 - www.fisaitaly.com