Our strengths include wide-ranging knowledge, in-depth expertise and long-term commitment.

We deliver reliable, sustainable and efficiently produced interior door systems for the world's leading train manufacturers. We are known on the international markets as a trusted and forward-looking partner that promotes sustainability and combines experience, vision and an understanding of the industry.

Our service portfolio includes design, installation and commissioning support, maintenance, modernization, spare parts and technical support during the life-time of the fleet. Safety, reliability, sustainability and optimizing life cycle costs are the core drivers of our engineering and development.

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Polarteknik

Solutions for rolling stock

Doors systems, partition walls, components, accessories and system related design

Polarteknik

Door systems and partition walls

Polarteknik Door Systems is a leading European supplier of interior door systems for rail vehicles. Our product range also includes complete fire barrier walls, automatic single, double leaf sliding doors, telescopic and curved doors. The products can be used in new built as well as refurbished passenger coaches to increase the passenger safety and comfort.

Polarteknik

a Hinged doors

- E30 /I15 fire tested, also EI30 available
- 50 mm door leaf thickness
- Fire frames available also on request
- Automatic closing on fire event (from open holding)

b Partition walls

- All components and materials are of high quality and thoroughly tested
- Extremely light weight solutions
- Minimum amount of delivery items
- Quick assembly

c 1st class / vestibule door

- 70 mm of total system thickness with pocket wall structure
- Fulfills EN45545-2 fire protection norm for non metallic materials
- TSI PRM compliant

d Curved door system for UWC toilette modules

- Non-metallic materials according to several standards (EN45545-2, BS6853 and DIN5510)
- Implemented with DSYS5 mechanism
- Push buttons, locking devices and other accessories available

e EI15 fire gangway door

- 35 mm total door leaf thickness
- Materials according to EN45545-2
- Fireframe also available

f E15 Gangway partition module

- Fulfills EN45545-2 fire protection norm for non metallic materials
- Automatic closing in case of fire

Gangway partition with automatic doors

- Laminated glass
- Grille 50% door leaf height

g 2nd class partition

- 70 mm of total system thickness with pocket
- Fulfills EN45545-2 fire protection norm for non metallic materials
- Air grills and other accessories available

Full glass EW20 fire partition

- Automatic 1-leaf sliding door
- Privacy serigraphy

h EI30 fire gangway door

- 40 mm total door leaf thickness
- Materials according to EN45545-2
- Manual and automatic version available