

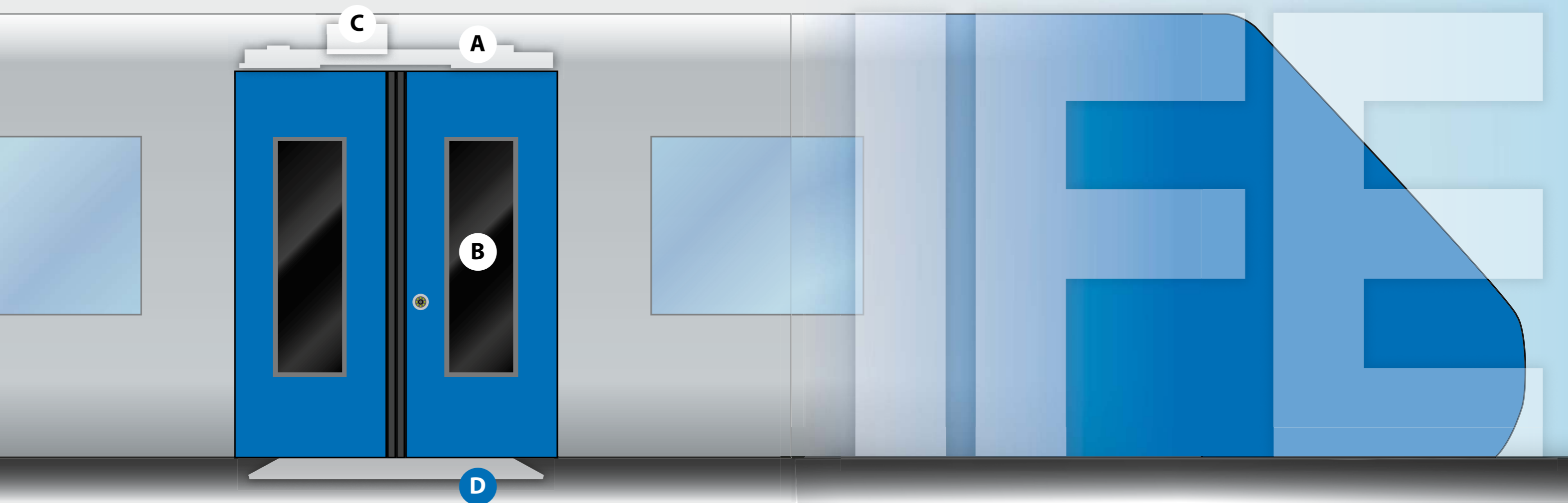
IFE X4 SLIDING STEP

# lea[door]ship



**SMALLEST INSTALLATION SPACE –  
MAXIMUM FUNCTION: IFE X4 SLIDING STEP**

# IFE X4 SLIDING STEP THE FUTURE HAS ARRIVED



**A**

## IFE E4 Door Drive Unit

**Smaller, lighter, stronger.** Compact design, reduced to the essentials, mature and proven technology along with easy installation and reduced maintenance effort are setting new standards.

**B**

## IFE AN/AI Door Leaves

**Maximum passenger comfort.** The new door leaves stand out thanks to a sound insulation value which is improved by a factor of 3 to 4, to a heat transfer coefficient reduction of up to 50% and to a weight reduction.

**C**

## IFE FLEX Control

**Small, universal, reliable.** The new door control unit features a compact design and a smart all-voltage energy supply with adaptive operating modes, reducing the total power loss by 25%.

**D**

## IFE X4 Sliding Step

**Minimal installation space – maximum function.** The step is designed to reduce weight, number of components and installation height. The simplified guiding system prevents jamming or sluggish movement.

## IFE X4 SLIDING STEP IN DETAIL



# IFE X4 SLIDING STEP IN DETAIL

**SLIDING STEPS ARE BECOMING INCREASINGLY** important in daily rail transportation. When the new sliding step X4 was developed, it had to be engineered with special attention to the creation of a reliable system. Increasing requirements regarding safety and unaided use – also for passengers with strollers and persons with reduced mobility – had to be satisfied.

1



## **RELIABLE FUNCTION** THANKS TO 3-POINT GUIDING

In order to ensure a safe guidance of the sliding step movement at any moment, the footboard is guided at three clearly defined points. This makes the system insensitive against torsion and allows for adjustment-free installation in the vehicle.

2



## **MAINTENANCE-FREE:** DRIVE AND LOCKING MECHANISM

The sliding step is moved by a central, maintenance-free spindle drive with a jamming-free guiding system. The locking module design is also maintenance- and adjustment-free.

3



## **REDUCED INSTALLATION HEIGHT** THANKS TO A CENTRAL DRIVE CONCEPT

With an installation height of merely 50 mm for sliding steps up to 1400 mm and an outward movement of 350 mm, IFE has set an unprecedented standard.

4



## **RUGGED CONSTRUCTION** AGAINST DIRT AND CORROSION

The use of stainless steel for all structural and functional elements and the proven sandwich construction of the footboard ensure an optimum protection against environmental influences.

5



## **IMPROVED WEIGHT DETECTION,** SAME INSTALLATION HEIGHT

The weight detection is integrated in the guidance system and needs no sensitive mat or tread sensor. The weight detection does not affect the installation height at all.

6



## **ADJUSTMENT-FREE DESIGN** FOR EASY MAINTENANCE

To ensure an easy installation and maintenance of the new sliding step, its was engineered with special attention to an adjustment-free solution. All preliminary adjustments are set at the factory and no adjustment is required even when components are exchanged at a later stage.