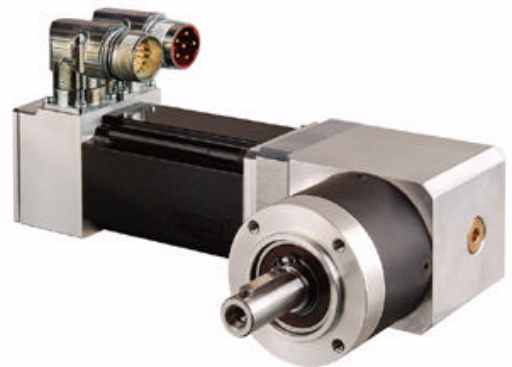


**ON-BOARD
DRIVE SYSTEMS
FOR TRAIN ACCESS**



Holding a strong position through its expertise in equipping railway stock, **LEROY-SOMER** is offering drive systems designed for train access.

LEROY-SOMER's offering, **for opening/closing** and for moving **the access platform for people with reduced mobility**, comes in a variety of forms using various technologies of very low voltage motors (12 to 128 V DC), coupled with compact mechanical reduction gears:

? **DC motors with brushes**

This technology has been established for decades, and **LEROY-SOMER's** very low voltage DC motors have the advantage of many years of research and are recognised unanimously for the reliability and long life of the commutator/brushes system, so avoiding numerous maintenance operations.

With the recent development of the **MBT 65**, **LEROY-SOMER** is today in a position to offer the entire range of **MBT** motors (from 0.035 to 1 kW) with non-exposed brushes.

This choice of design makes it possible to produce a compact product and in this way meet the integration criteria demanded by professionals in the railway industry.

? **Brushless DC motors**

LEROY-SOMER offers a range of **brushless DC** motors with magnets enabling the dynamic performance of the motor to be increased whilst halving its size compared with a traditional drive system.

LEROY-SOMER's brushless DC motors fully meet the requirements of specifications incorporating the cost of ownership (purchase price + operating cost).

Through their design, **brushless DC** motors function by means of switching electronics combined with position sensors in the rotor of the motor.

This solution eliminates the use of brushes for performing the commutation and therefore removes the need for the principal maintenance of conventional DC motors used today.

The electronic control also allows operation at variable speed and very high speeds, in this way contributing to improving processes.

Assembled with different types of reduction gear (worm and wheel, planetary, etc.), **MBT** and **Brushless DC** motors are available in a multitude of possible configurations that can be fully integrated into door opening/closing and platform applications.