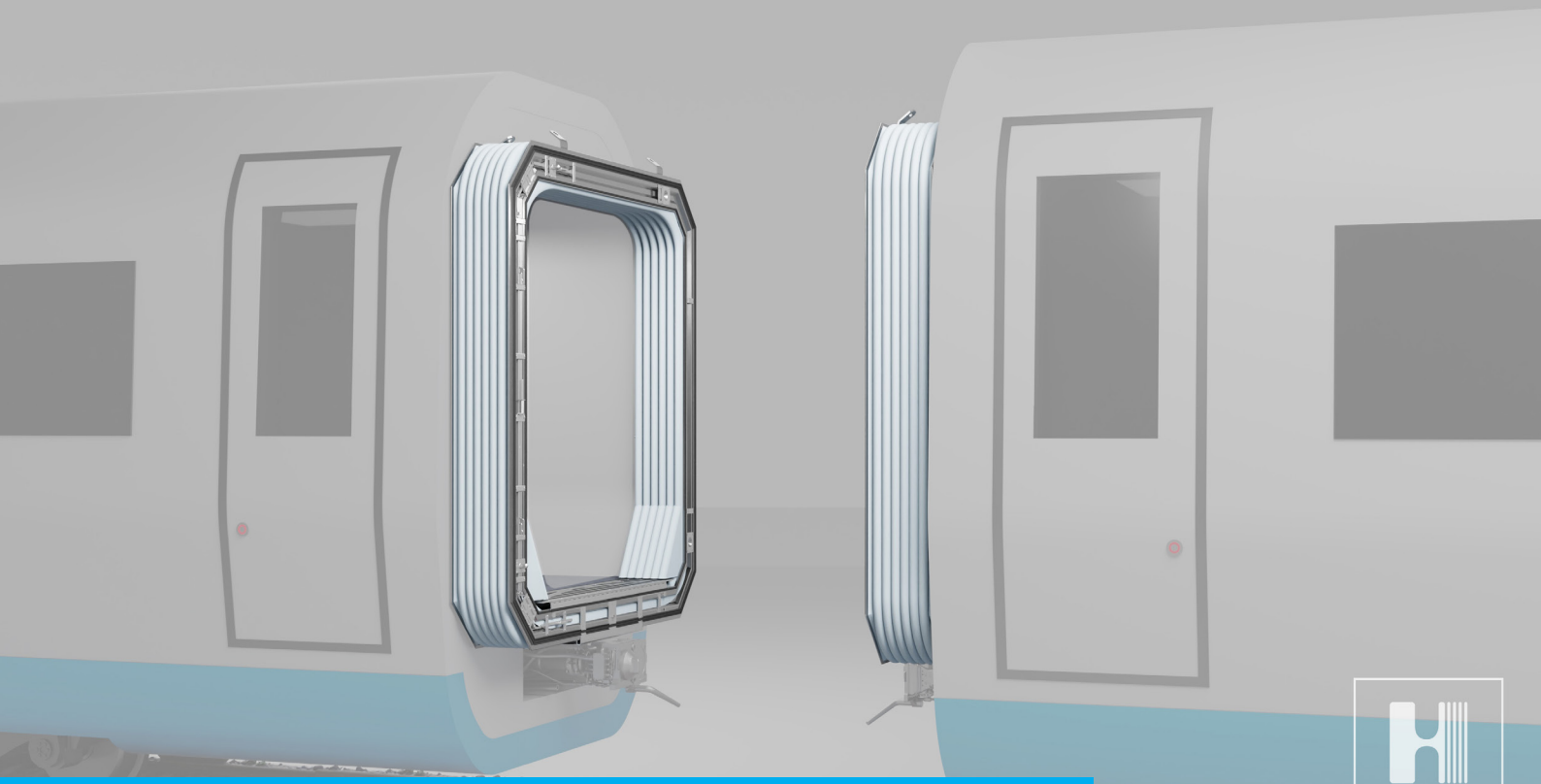

HÜBNER **AutoCouple System**

Innovation for more flexible and efficient operation of passenger trains

Overcoming Peak Hour Challenges - Current Situation

- **Demand Adaptation: Variable demand** in peak hours call for rapid adaption of train setup.
- **Configuration Change:** Operation with 4 cars off-peak and **expansion to 6 or 8 cars** during peak hours with additional units.
- **Manual Processes:** Gangway connections manually **handled by maintenance personnel**, a process that can be inefficient and **time-consuming**.
- **Infrastructure Limitations:** Infrastructure may lack **capacity to store larger**, expanded trains, posing a logistical challenge.

Mobility | Making mobility happen.

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Our Solution:

- Development of a new system solution that allows fully automated coupling and uncoupling of gangway systems
- Make the operation of passenger trains more flexible, efficient and cost-effective
- Using electro-pneumatic or electrical system for coupling/uncoupling in synchronization to the existing coupling process
- All running trains can also be retrofitted easily

The system can be used in the following types of trains:

- Metro
- Commuter Trains
- Regional Trains
- Highspeed Trains

Benefits for the Operator

- **Efficiency:**
  Operational efficiency and service reliability through faster coupling/uncoupling
- **Safety:**
  Reduced risks and improved safety by eliminating manual intervention
- **Flexibility:**
  Rapidly adjust train compositions to meet variable passenger demands
- **Passenger Experience:**
  Improved reliability and response to passenger demand
- **Cost Savings:**
  Reduced operating costs by reduction of manual labor
- **Depot Capacity:**
  Efficient use of depot capacity by facilitating train composition

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