



› Case study

# A custom solution for reduced access lifting

COMPANY

Deutsche Bahn DB

DATE

2023

LOCATION

Germany

PRODUCT

**PORTAGANTRY** RAPIDE®



LASH + LIFT provided a custom **PORTAGANTRY** RAPIDE® to DB Group who needed to lift and move large batteries within train carriages. The solution to the tight area of use was to use smaller A-Frames, allowing for safe and easy lifting within the confined area.

**The background**

DB Group are a passenger transport and logistics company who operate in over 140 countries worldwide; the core business for the company is the railway with over 7 million people using it every day in the passenger transport segment and over 1 million tonnes of freight shipped via rail through Germany and Europe. Over 40,000 trains are operated daily across 33,300 kilometers of rail network with 5,700 train stations.

**The challenge**

DB Group had been looking for an ergonomic lifting solution for quite some time and required a product that could fit in the space within the trains carriage whilst also being mindful of the seating on either side. It needed to save them time and allow them to safely remove and replace batteries, weighing 80kg each.

Each train carriage has housings which contains two 80kg batteries, which will sometimes need replacing. The area of operation was the biggest challenge, accessing the heavy batteries in a reduced access situation between the rows of seating and needing them to be raised for extended periods of time. DB Group required a solution that would enable them to safely lift and move each battery for repair or replacement, while being fully operational within the tight spaces on board the trains.

**The solution**

LASH + LIFT provided the customer with a custom-built **PORTAGANTRY** RAPIDE®, which was supplied with smaller than standard A-Frames. The **PORTAGANTRY** RAPIDE® can lift multiple loads at a time, making it the ideal solution for lifting all batteries from a housing at once and the smaller A-Frames made this specific solution ideal for operation within the reduced access spaces.

The ergonomic design of the **PORTAGANTRY** RAPIDE® allows for flexible usage, easy handling of heavy goods and saves a lot of time and effort for the operators, optimising the efficiency of work.

Get in touch to find out how we can help with your lifting and lowering requirements:

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