REID LIFTING

› Case study

Revolutionising **movement** of **Electric Vehicle Batteries**

COMPANY

Hyundai

DATE

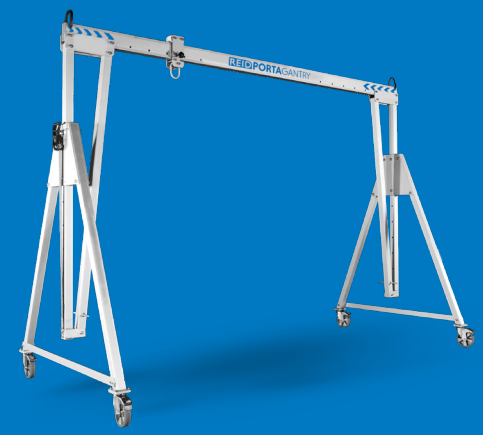
2023

LOCATION

Tilbury, Essex

PRODUCT

PORTAGANTRY®



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

- **+44 (0)1291 620 796**
- **enquiries@reidlifting.com**
- **www.reidlifting.com**

Hyundai were able to use REID's **PORTA**GANTRY to reinvent their process for accessing and moving Electrical Vehicle batteries, helping to complete maintenance and repairs.

The background

Hyundai, a global leader in the automotive industry, embarked on a significant initiative to enhance their Electrical Vehicle repair and maintenance capabilities. The task at hand was to lift electric vehicle batteries from transport crates and place them onto battery benches and various assembly areas within the factory. To accomplish this critical process efficiently and safely, Hyundai sought a reliable lifting solution.

The challenge

Hyundai encountered a significant challenge in handling electric vehicle batteries, primarily due to their substantial weight and size. Manual handling was deemed impractical and posed safety risks during the maintenance and repair process. The accurate positioning of these batteries on assembly areas and benches became essential for ensuring a seamless workflow, placing a strong emphasis on safety measures to avoid accidents, injuries, and potential damage to these expensive battery units. This highlights the importance of focusing on repair and maintenance aspects to optimise the overall battery management process.

The solution

Hyundai recognised the need for a robust lifting system that could address these challenges efficiently. After conducting a thorough assessment of available options, they opted for the REID Lifting **PORTA**GANTRY 2000kg system to support their EV battery handling operations.

The versatile and portable **PORTA**GANTRY was able to lift the 500kg batteries with ease during Hyundai's repair and maintenance process. The fact the system could be moved under load meant they were able to easily deploy the system, move the battery into place and lower it into the vehicle for its intended purpose.