ADDITIVE MANUFACTURING CASE STUDIES

REDESIGN AND MANUFACTURE OF THE VERTICAL LOAD-BEARING BRACKET BETWEEN TRAIN CARRIAGES, DESIGNED TO WITHSTAND LOADS OF UP TO 11 TONNES

Courtesy of:

RENISHAW
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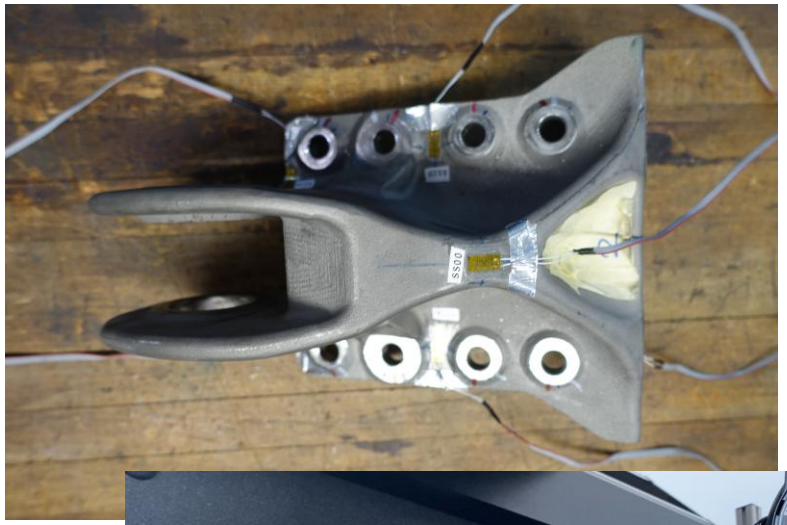
GENERAL INDUSTRY

- **Design and manufacturer:** The engineering teams at Talgo and Renishaw.
- **AM Technology:** PBF-L/M
- **Manufactured on:** RenAM 500S of Renishaw
- **Material:** Metal



Outstanding advantage:

The result is a component that combines three original parts into a single design, capable of withstanding the same loads as the conventional version.

Furthermore, by enabling a significant reduction in component weight and eliminating processes such as welding, additive manufacturing is in line with the objectives of energy efficiency and carbon emission reduction.