Advanced, non-destructive technologies to improve steel stir welding process through AI and smart digital twin

Flawless welds powered by

REAL-TIME QUALITY CONTROL & AI

STWIN aims to develop a flexible **friction stir welding (FSW)** system capable of automatically fabricating complex 3D structures, including diverse joint configurations between steels of dissimilar grades and thicknesses, enabled by Artificial Intelligence-based real-time monitoring system.

€ 3,5M
BUDGET

45 MONTHS
DURATION

10
PARTNERS

6
COUNTRIES

Partners

Cidaut · Belgian Welding Institute Joining your future. · isend · stirweld · STIRTEC · SSAB · elementSIX DE BEERS GROUP · GRANALU · HIAB · HORSE

Contact Us

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