

Reference

Case Study: Fully Integrated System

Rolan Robotics' fully integrated system offers the capability to produce up to 80% of the entire product portfolio within one streamlined setup, combining advanced OTC robotics with state-of-the-art welding technology. The system features a 30-meter track with two robots, one of which is equipped with a plasma source for precision cutting and 3D welding, ensuring both efficiency and flexibility in production.



Customer Requirement	Rolan Robotics Solution
Automation of large structure manufacturing	Two OTC FD-V6L robots and a conveyor system for handling up to 22-meter-long and 33-ton heavy parts
High-quality welding for long distance	OTC Welding Machine (WB F300P) according to welding standard EN10-90/2/exc4
Optimization of the workflow and quality inspection	Seam detection and seam tracking system and OTC offline programming

OTC Welding Technology - Plasma welding & cutting

- Plasma welding is particularly beneficial in applications where high welding speeds, deep penetration, and minimal heat-affected zones are required.
- High reproducibility due to digital control of all parameters

Quotation

TOTAL Project Costs on request

- Components
- Service Package
- Offline Programming

Industrial Sector:

Metal technology - Bridge panels

