



Rossini

**RObot enhanced SenSing,
INtelligence and actuation
to Improve job quality in
manufacturing**



This project
receives funding
in the European
Commission's
Horizon 2020
Research
Program under
Grant Agreement
Number 818087



8 M€

EU Contribution



42

Months duration



13

Partners



7

Countries

The ROSSINI project aims to develop a disruptive, inherently safe hardware-software platform for the design and deployment of human-robot collaboration (HRC) applications in manufacturing.

We are addressing real industrial needs

Spread HRC applications where robots and humans are teammates

Increase job quality

Production flexibility and productivity

Manufacturing sustainability in Europe

The Rossini Platform

Key features that will allow effective and safe Human-Robot collaboration



Sensing
Layer



Perception
Layer



Cognitive
Layer



Control
Layer



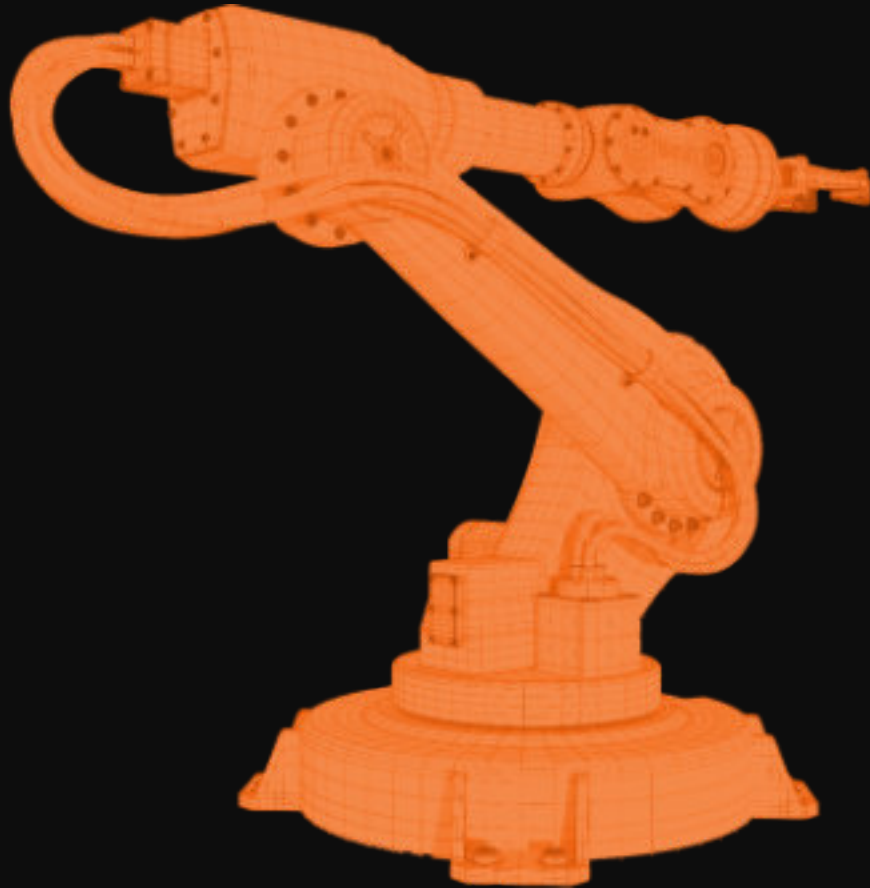
Actuation
Layer



Human
Layer



Integration
Layer



**We are testing in
real industrial
environments**



**Domestic
Appliances
Assembly**



**Packaging
Machines**



Schindler

**Elevator
Components
Production**



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