

MAGICIAN

AUTONOMOUS DEFECTS DETECTION AND REPAIR IN MANUFACTURING

Challenges

Produce semi-finished high-value products without defects

Ensure safe working processes in hazardous and physically demanding environment

Consider safety and productivity concerns in human-machine

Project Use Case

Defect analysis, **detection, and treatment** of body parts in the **automobile manufacturing** industry

Technical Solution

- Robotic and AI-solutions to automatize error detection and treatment
- Human-robot interfaces
- Robotic modules

Open Calls

- 🏆 5 solutions funded in each call
- 💰 €200k for implementation ≤ 12 months
- 1 Expand AI applications to new use cases
- 2 Deepen and expand functionalities of project pilot

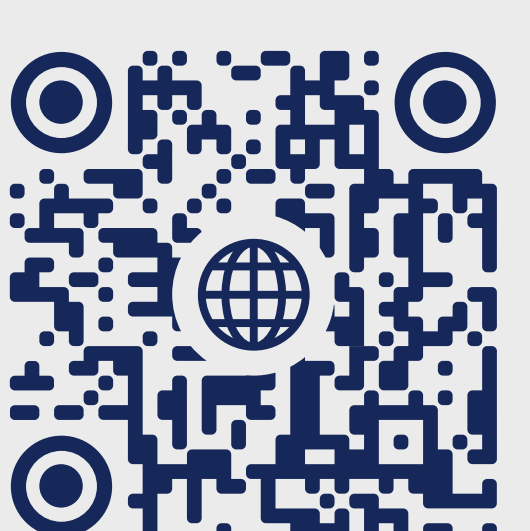
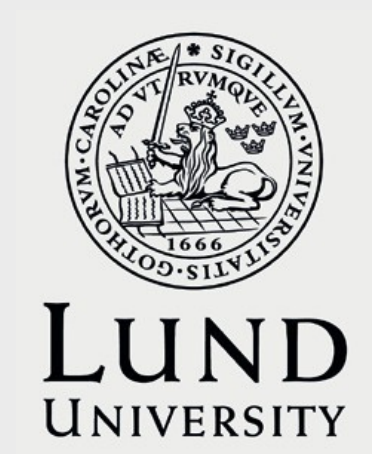
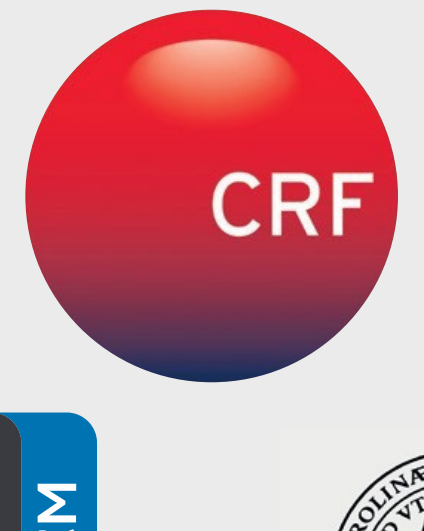
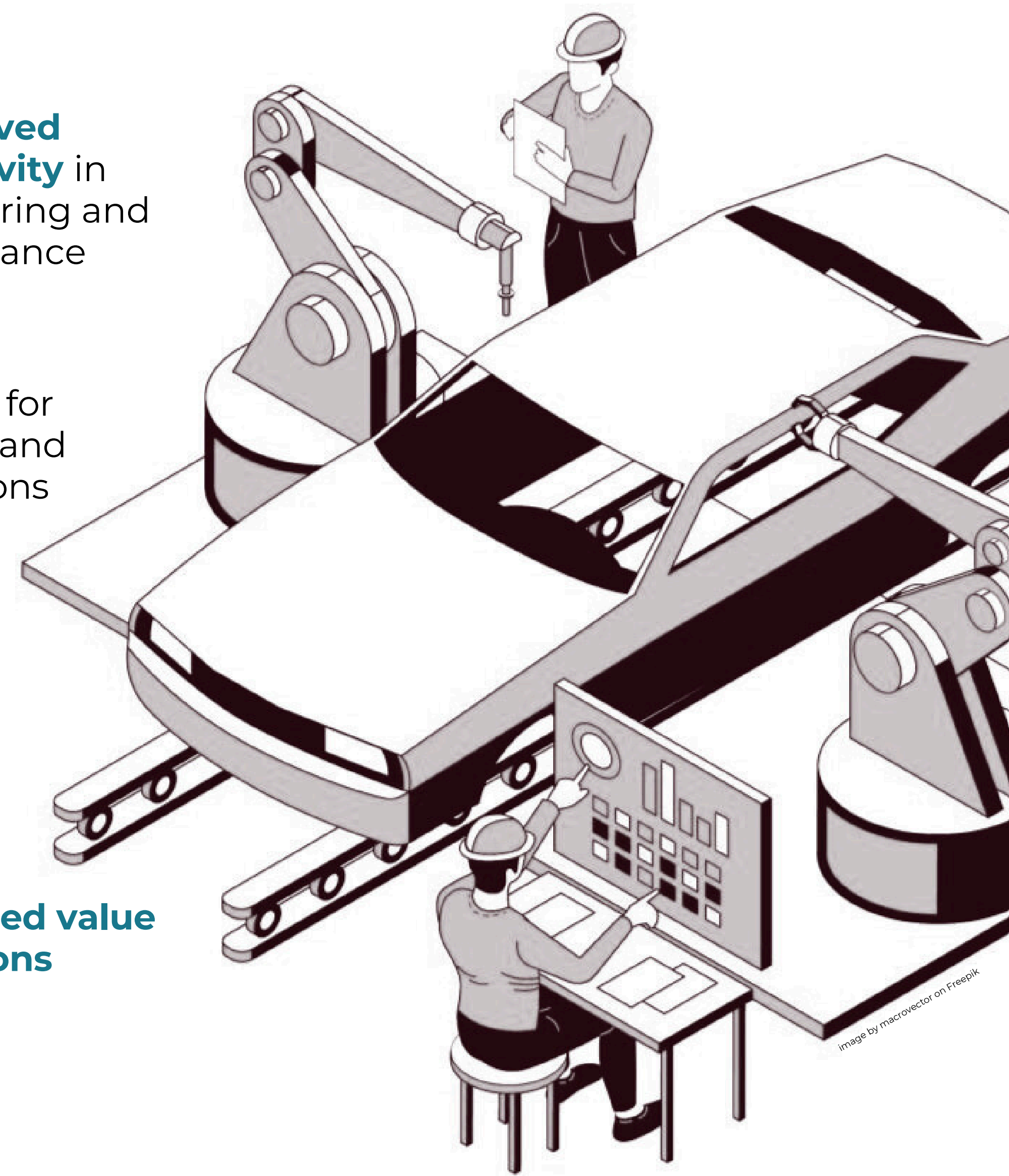
Innovative **robotics components** executing mechanical working operations and collaborating with operators

Improved productivity in manufacturing and maintenance

Reduced turnover for physically intensive and hazardous operations

Focus on **added value operations**

Immediate and easy to use **human-robot interfaces**



Co-funded by the European Union

Co-funded by the European Union. Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union or the European Commission. Neither the European Union nor the granting authority can be held responsible for them.