

MAGICIAN Partners

Coordinated by the University of Trento, MAGICIAN assembles the collective strengths of universities, research institutions, business support organizations, digital solution developers, and industry.



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MAGICIAN

AUTONOMOUS DEFECTS DETECTION AND REPAIR IN MANUFACTURING

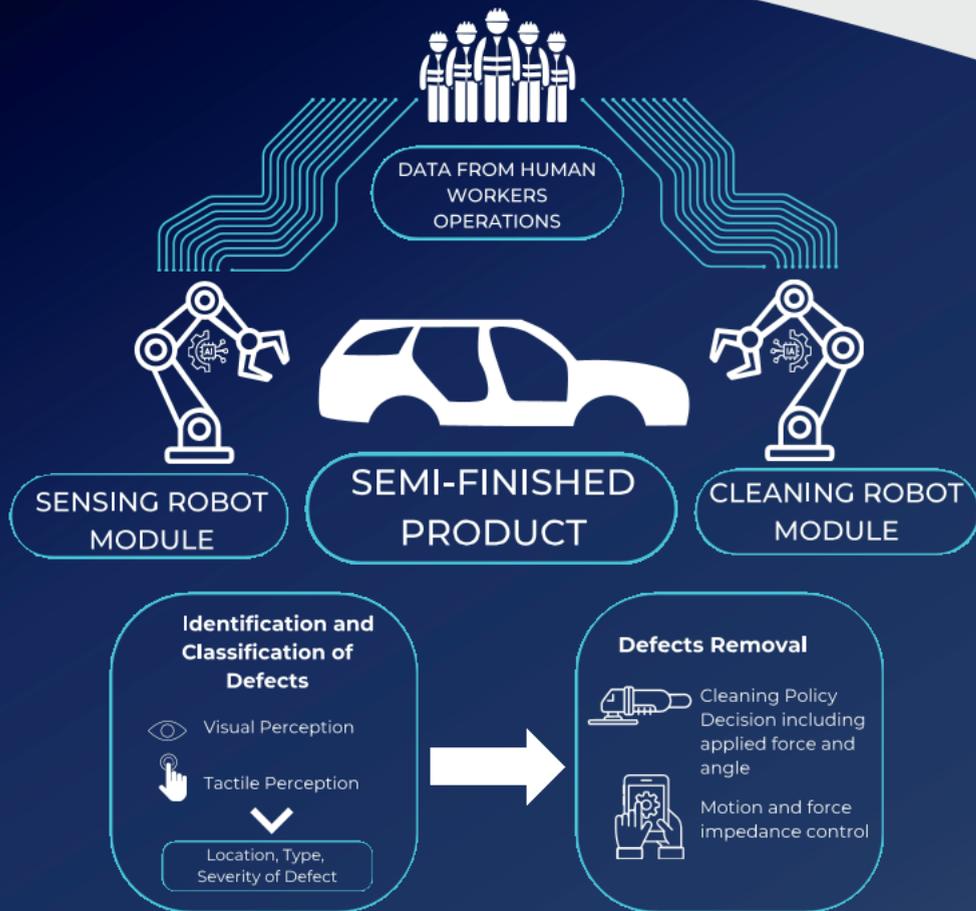


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MAGICIAN Solutions

MAGICIAN develops robotic modules to autonomously detect and remove defects in semi-finished high-value products. Solutions will be tested in an automotive use case and extended through Open Calls.



Challenges



Produce semi-finished high-value products without defects



Ensure safe-working processes in hazardous and physically demanding environments



Address safety and productivity concerns in human-robot collaboration

Impact



Robotic components for mechanical working operations allowing for human-robot collaboration



Improved productivity in manufacturing and maintenance



Healthier and safer working environment for operators



Focus on added value operations