

Discover **CONVERGING**

The CONVERGING project aims to Develop, deploy, validate and promote smart and reconfigurable production systems including multiple autonomous agents (collaborative robots, AGVs, humans) that are able to act in diverse production environments.

Vision

The ambitious vision of CONVERGING is to develop a human – robot collaborative socialindustrial environment by bringing together the advances of Big Data, AI, Robotics, and Social Sciences and Humanities for safer, more flexible, reconfigurable, and modular production environments.

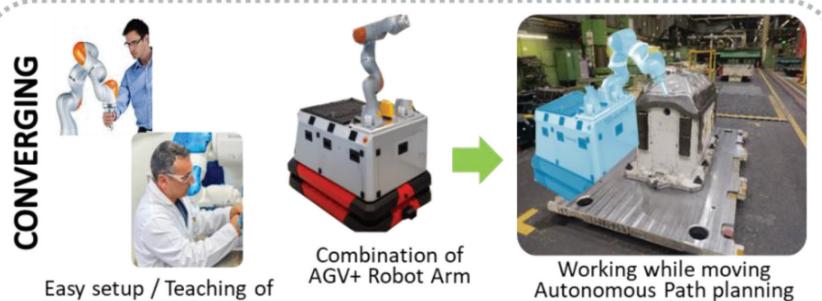
Pilots

The CONVERGING results project will be demonstrated in 4 industrial full-scale pilots running in actual production environments of each sector:

Automotive

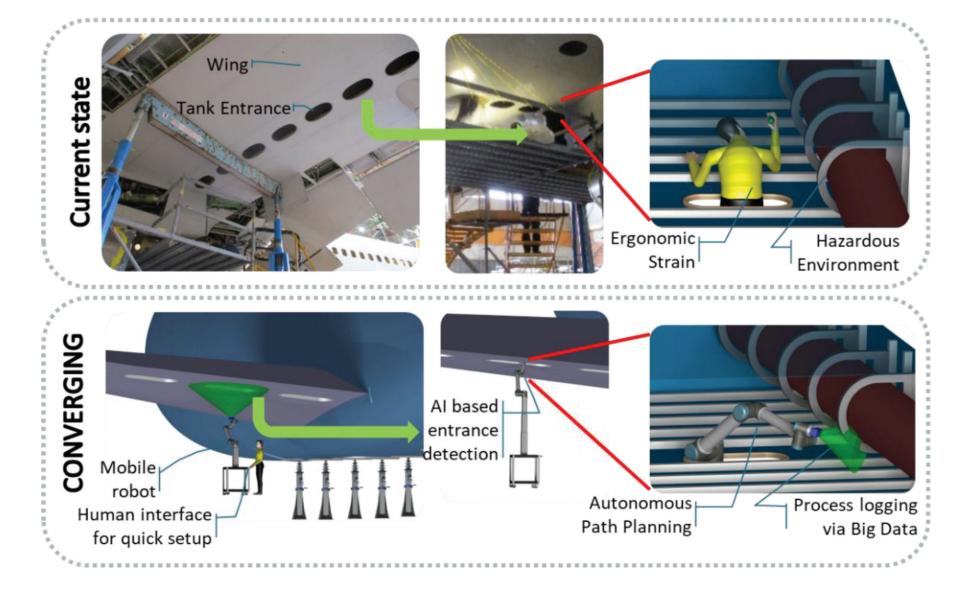
Automation of the entire process of mold inspection and polishing process with the use of a smart mobile manipulator.





Aeronautics

Improve the efficiency and safety of inspecting and repairing fuel tanks through the use of robotic technology, Al-based systems, and augmented reality tools by reducing the necessary precautions and complete the work more efficiently.

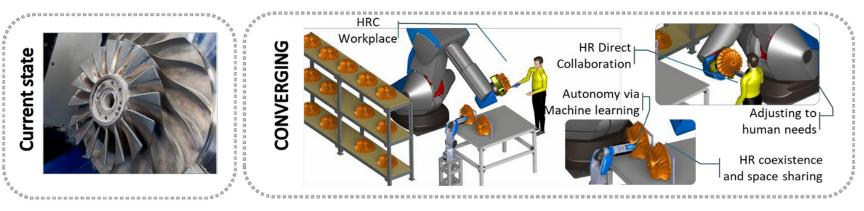




White Goods Industry

new parts

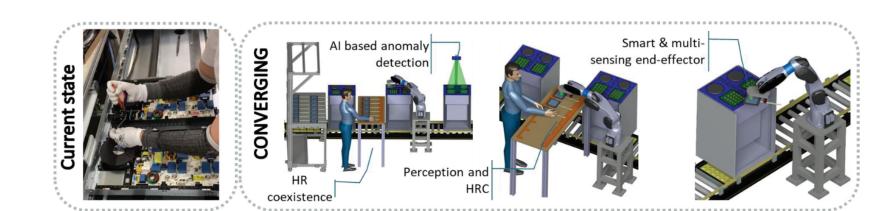
Human and robot coordination of their actions through an Al station controller, and the system will improve the repeatability of cable routing, reduce ergonomic risk factors, and deal with variability in coil supply.





Additive Manufacturing Sector

Implement robots to perform support removal and surface finishing operations in collaboration with humans to maximize efficiency.





COMAU





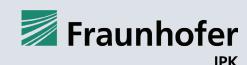
Process logging



























This project has received funding from the European **Union's Horizon Europe Research & Innovation** Programme under Grant N° 101058521.



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