



Robotics and AI as Enablers for Greener Dismantling, Remanufacturing and Recycling

-ROB4GREEN-

Meet our Open Call #1 Projects!

-DAD-AGV-

ROB4GREEN is pleased to announce the pilot projects selected for funding under its first Open Call. Following a competitive evaluation, eight consortia were awarded financial support to develop and demonstrate robotics, AI and data-driven solutions that make dismantling, remanufacturing and recycling cleaner, safer and more resource-efficient.

Each project runs its pilot with technical, business and mentoring support from the **ROB4GREEN** partners, and its results feed directly into the project's mission of accelerating the green and digital transition of European industry. This announcement introduces **DAD-AGV**, one of the eight projects funded under Open Call #1.





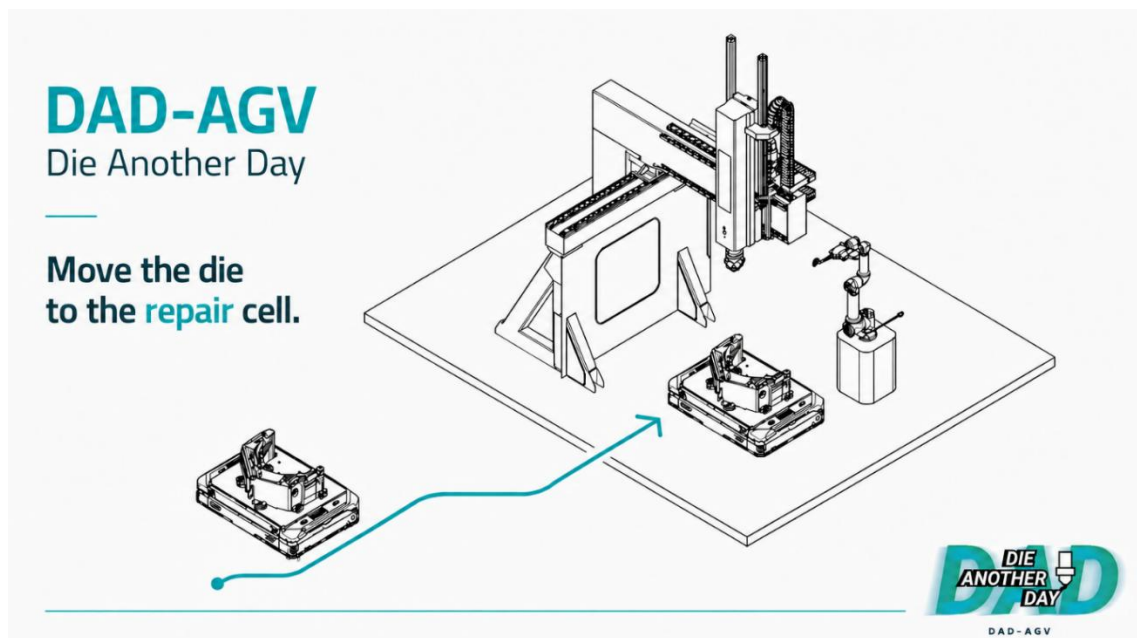
DAD-AGV Vision

DAD-AGV – Die Another Day pilot addresses Challenge #1 (AI, Data and Robotics for Life Extension), exploring how mobile robotics and AI-assisted supervision can make heavy stamping die repair safer and more adaptive, building on the ROB4GREEN SAFE-RP (safe robot motion planning) and O2S (operator interaction) technologies.

The pilot brings together three complementary partners spanning robotics, advanced manufacturing and industrial AI. Olorin S.r.l. leads the pilot as a robotics and system-integration SME; IRIS S.r.l. contributes hands-on expertise in stamping-die repair and additive restoration; WZL – RWTH Aachen University brings research expertise in AI-driven human-robot interaction.

DAD-AGV develops an autonomous repair workflow in which a mobile platform transports worn stamping dies to a stationary additive repair cell. Robotic scanning and CAD alignment localise damage, while controlled preheating, AI-assisted planning and WAAM deposition adapt the repair to each component. The pilot addresses the cost, waste and operator exposure associated with manual die repair and premature replacement, aiming to extend tool life and reduce material and energy consumption.

Stay connected with ROB4GREEN to discover the latest pilot developments, project results, and innovations driving the green and digital transition of European manufacturing.



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