



EARLY ADOPTERS PROGRAMME: ROBOTAI SUCCESS CASE

RobotAl was one of the beneficiaries of the programme hosted by LMS Pilot 10 'Flexible Processing and Assembly Robotic Framework'. RobotAl is a company that specializes in developing software for integrators or robot automation providers.



During this interview, Uri Dubin, CEO of Robot AI, shared insights into the company's collaboration with the European project DIMOFAC. The project, aimed at promoting innovation in smart manufacturing, provided Robot AI with valuable opportunities to test and integrate advanced technologies into their operations.

Mr. Dubin highlighted the benefits of the collaboration, such as **improved efficiency** and **cost-effectiveness**, while also discussing challenges and future prospects for the industry. The interview shed light on the **transformative potential** of initiatives like DIMOFAC in driving innovation and **competitiveness** in European manufacturing.





"The collaboration with DIMOFAC provided us with valuable opportunities to test and integrate advanced technologies into our operations."

ADVANTAGES





COLLABORATION OPPORTUNITIES

The company appreciated the opportunity to collaborate with researchers and other industry partners, which allowed them to gain valuable insights and feedback.





REAL-WORLD TESTING

Participating in the program enabled the company to conduct real-world testing of smart manufacturing technologies, providing them with practical experience and helping to validate their solutions.





LEARNING AND INNOVATION

Engaging with DIMOFAC facilitated exploration of new use cases and technologies, fostering innovation within the company and helping them stay ahead of advancements in the field.







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IMPLEMENTATION



Connection with LMS

RobotAl successfully integrated with the LMS team, facilitating swift organization of meetings.



Problem Addressed

The problem addressed was enabling efficient robotic car assembly by accurately detecting the location of specific parts on a conveyor belt.

This required a solution that could utilize vision systems to identify and locate objects in real-time, facilitating the robotic assembly process without manual intervention.



Solution Deployment

LMS provided a <u>platform for</u> testing and <u>implementing</u> RobotAl's software in manufacturing settings.

Upon deployment of RobotAl's solution, LMS seamlessly interfaced their software with the vision cameras, offering fast and straightforward connectivity.

LMS assisted in evaluating their effectiveness in <u>real-world scenarios</u>



Successful Implementation

The solution provided proved to be <u>effective and successful</u>, meeting the requirements of RobotAl and <u>enabling</u>

seamless robotic assembly.

Through quick meetings and collaboration with LMS, RobotAl was able to deploy its solution rapidly and demonstrate its capabilities in a real-world manufacturing environment.



Minimal Challenges

The implementation process did not pose significant challenges, as the software solution was flexible and adaptable to different environments and objects.

TAKEAWAYS

Impact on Business Operations: While the immediate impact on business operations was not quantifiable, the collaboration provided valuable feedback and potential future opportunities for RobotAI.

Future Outlook: Uri Dubin sees robotics as the future of automation, with significant potential for advancements in AI capabilities. He emphasizes the importance of preparing for automation and sustainability in manufacturing.

Overall, the interview highlights RobotAl's positive experience collaborating with DIMOFAC and LMS, underscoring the potential of robotics and automation in transforming manufacturing processes.

