

University of Burgos welcomes Castilla y León delegation and presents MANiBOT developments

Burgos, Spain | 2 December 2025 — The Robotics Laboratory at the University of Burgos (UBU) welcomed Leticia García Sánchez, Councillor for Industry, Commerce and Employment of Castilla y León, for an institutional visit focused on the laboratory's research activities and current technology developments in industrial robotics.

During the visit, the University of Burgos presented key capabilities and ongoing work involving industrial robots, including autonomous mobile robots (AMRs), automated guided vehicles (AGVs) and collaborative robots, as well as integration of enabling technologies such as artificial intelligence (AI) and 5G networks for advanced industrial applications.

A central part of the visit was dedicated to MANiBOT, the Horizon Europe project in which UBU participates. The team shared the project's latest progress and showcased a short demonstration using predefined robot trajectories representing actions related to MANiBOT's targeted operational contexts, specifically supermarket and airport scenarios.

The visit also highlighted the University of Burgos' technical contributions to MANiBOT, including:

- the development of the project's mobile robotic platform,
- the implementation of parts of the ROS2-based control for the ABB GoFa 12 collaborative robots and the ABB AMR P204, and
- the creation of a realistic testing environment designed to reflect MANiBOT's industrial use cases.



About MANiBOT

MANiBOT is a Horizon Europe project advancing the physical intelligence and performance of robots towards human-like bimanual manipulation, supporting safer and more effective operation in complex, human-shared environments.

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