

MANiBOT showcased at Expo Industry 4.0 2025 in Burgos, highlighting bimanual mobile robots for challenging work environments

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The MANiBOT Horizon Europe project was presented at Expo Industry 4.0 2025 during the Burgos Industry 4.0 Technology Meeting 2025 (#5burgosi40), held on 15–16 October 2025 at Fórum Evolución (Floor 3) in Burgos, Spain.

Expo Industry 4.0 is a professional-facing exhibition of real-time technological demonstrators focused on advanced Industry 4.0 solutions. In its 2025 edition, the broader #5burgosi40 programme highlighted themes including industrial 5G, generative AI in industry, intelligent robotics, and advanced human–machine interaction systems, aligning closely with MANiBOT’s objectives on safe, adaptive robotics in human-shared environments.

Presenting MANiBOT at Stand 6

At Stand 6, the University of Burgos (UBU) presented MANiBOT as an innovative project aiming to equip mobile dual-arm service robots with advanced physical capabilities so they can perform a wide variety of manipulation tasks with diverse objects in a human-like manner, even in challenging and changing environments. The stand presentation also highlighted MANiBOT’s retail and transportation directions, including supermarket shelf replenishment and airport baggage handling, which are addressed through pilot-oriented development.

The session served as an opportunity to share project progress with an audience of industry and innovation stakeholders, and to discuss how MANiBOT’s developments support core priorities for industrial deployment, such as safety, adaptability, and efficiency in environments where robots operate near people.

Strong engagement from the Industry 4.0 community

According to the event organisers’ published figures, the Burgos Industry 4.0 Technology Meeting recorded 1,310 in-person attendees and 302 remote participants, with Expo Industry 4.0 reaching 1,310 participants and the Industrial Track 4.0 Technical Congress drawing 221 participants.

The organisers also published post-event materials, including a video archive of stands and sessions and an event photo gallery, enabling continued access to key highlights beyond the two-day programme.

More information can be found [here](#)

About MANiBOT

MANiBOT is an EU-funded Horizon Europe project advancing the physical intelligence and performance of robots towards human-like bimanual object manipulation. The project aims to develop bimanual mobile robots capable of handling diverse objects by advancing and combining technologies from multimodal perception, cognition and control to novel cognitive mechatronics.

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