Overview

Apply AI: AI-Driven Robotics for Industry: Enabling System Integration and Adoption (IA) (Partnership in AI, Data and Robotics)

Last updated 27 November 2026

Donor: European Commission
Reference: HORIZON-CL4-2027-04-DIGITAL-EMERGING-05
Location: Europe
Deadline: 18 March 2027
Open

Purpose and scope

The European Commission's Horizon Europe Innovation Action (IA) covers Europe and aims to bridge industrial robotics system-integration gaps and accelerate deployment and interoperability. It provides for measures to improve EU industrial competitiveness, notably for SMEs, through advanced robotics, intelligent planning and control, user-feedback rendering and AI.

Funding

The indicative total call budget is EUR 18,000,000. The estimated EU contribution per project is around EUR 18,000,000; proposals requesting different amounts may be submitted and selected.

Who can apply

Legal entities established in EU Member States, Iceland, Norway, Canada, Israel, Republic of Korea, New Zealand, Switzerland or the United Kingdom may participate. Entities established in third countries that may become associated to Horizon Europe during 2026–2027 may qualify if the country is identified as eligible for this topic at application submission, and the association agreement applies by grant-agreement signature. Legal entities established in China are not eligible to participate in this Innovation Action topic.

Priorities

Priorities include bridging technology providers and industrial end-users, disseminating state-of-the-art robotics hardware, software and expertise, and upskilling system integrators. The call also prioritises suitable tools and AI design, training and inference methods for rapid integration across industrial settings; scalability, transferability, transparency, robustness, flexibility and real-world applicability; and energy-efficient AI with carbon-aware deployment and operation. The technology readiness level is 4 at project start and 7 at project end.

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Projects must deliver a deployable modular integration framework validated in at least three real-world industrial pilots across different reference scenarios and company sizes, including SMEs and larger manufacturers.

Sources

ec.europa.eu - Official call

ec.europa.eu - Call document

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Salient One analysis. Official call documents and amendments govern the funding conditions.