



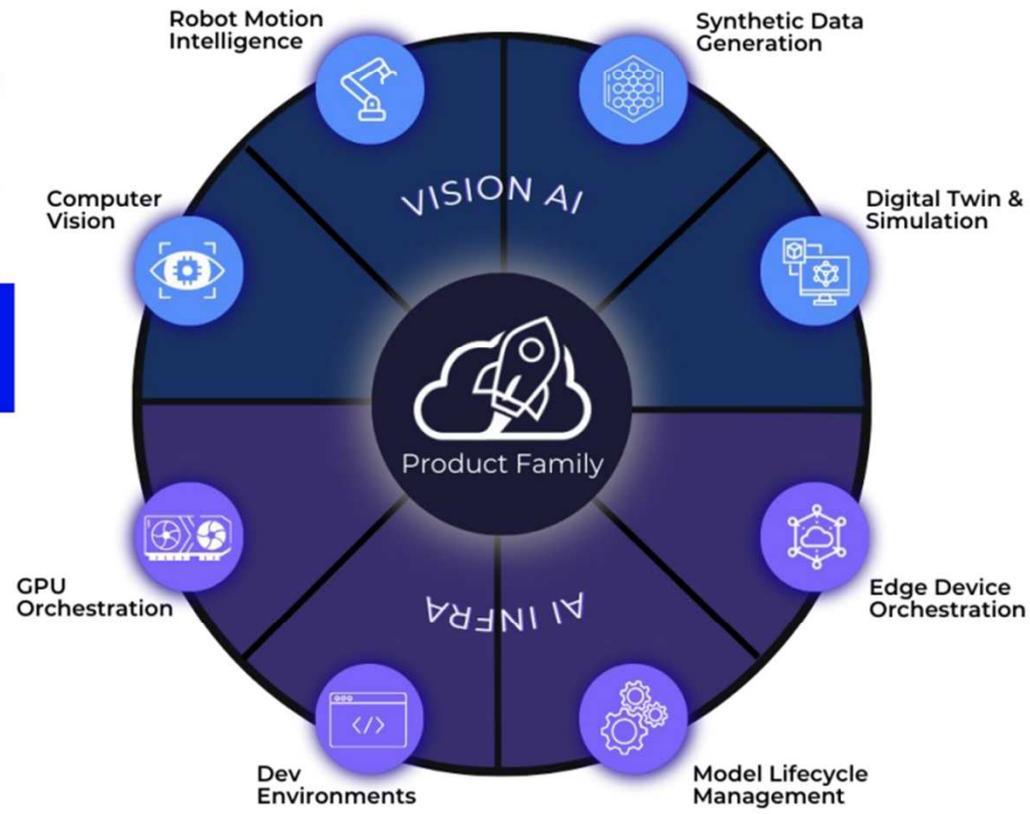
General Project Information



Project Idea	Advancing Inline Vision AI for Next-Generation Manufacturing Quality Inspection Extending validated, high-TRL Vision AI systems towards more robust, scalable, and data-efficient inspection solutions for advanced manufacturing environments.
Organization name, town and country	robolaunch Ankara, Türkiye (METU Technopolis – ODTÜ Teknokent)
Addressed topic(s)	HORIZON-CL4-2026-02-DIGITAL-EMERGING-51 (two-stage) <i>AI-improved advanced manufacturing and production processes in factories</i> HORIZON-CL4-2026-02-DIGITAL-EMERGING-53 (two-stage) <i>Innovative AI methods and technologies for the process industries</i>



About Robolaunch



Founded in 2020
 METU Technopolis
 (Ankara/Turkey)

Investment
 \$1.5 Million Seed Fund

simya
INVEST 101
 driveventure

R&D Projects
 Funded AI&robotics R&D, including international collaborations.

References
 +20 Live Industrial Systems



Project Idea

AI-Driven Inline Automated Quality Inspection for Advanced Manufacturing



What Exists Today (High TRL) _

- Inline Vision AI deployments in **press & body shops**
- Detection of **pre-paint surface defects** on unpainted metal
- **20+ defect & non-defect classes** covered
- Production-ready hardware and software stack
- Live systems running in automotive OEM environments



Why R&D Extension is Needed _

Emerging Inspection Needs:

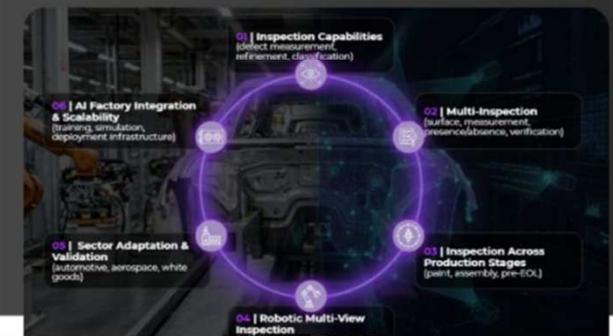
- **Defect measurement**, not only detection
- New defect types across **paint & assembly** stages
- Increasing demand for **presence / absence & verification checks**
- Similar inspection challenges in **other sectors** (e.g. aerospace, white goods)



Potential R&D Extension Space _

Project Extension Space:

- Vision AI for **defect measurement & classification** refinement
- Expansion to **paint, assembly, and mixed inspection** scenarios
- Multi-inspection pipelines (surface + measurement + presence/absence)
- Adaptation of Vision AI systems to **new manufacturing sectors**
- Integration with **industrial AI factory environments**





Competences/type of partners sought



Partners of interest include:

- **Experienced Horizon Europe coordinators**
(research organisations, universities, or innovation-driven companies with prior EU coordination experience)
- **Industrial partners**
OEMs, Tier-1 suppliers, or process-industry actors willing to contribute real manufacturing use cases, requirements, and validation environments
- **Research organisations & academic groups**
with expertise in AI methods for manufacturing, computer vision, robotics, digital twins, or data-efficient learning
- **Technology providers / integrators (including robolaunch)**
complementing sensing, simulation, edge computing, data platforms, or industrial IT/OT integration





Contact details

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B2Match profile

<https://www.b2match.com/e/horizon-europe-industry-brokerage-2026/participants/3374639>

LinkedIn/Twitter

<https://www.linkedin.com/in/%C3%B6zgecan-sar%C4%B1-160a081a8/>



2.08 robolaunch

Brokerage Event - Industry 2026