# Eureka
# Project partners Search Form

**Program** (select appropriate)**:**

**[X] EUREKA**

***Multilateral/Bilateral Call*** *(if applies)**:***

[X] Spain and Türkiye bilateral call – 2026

**[ ] CLUSTER**

[ ] CELTIC-NEXT
[ ] EUROGIA$^{2030}$
[ ] ITEA4
[ ] SMART
[ ] Xecs

***Thematic Call*** *(if applies)**:***

[ ] Xecs Quantum Tech

| **Contact Person Details** | |
|---|---|
| Name: Ezgi Şanlı | |
| Position: Project Specialist | |
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| **Organization Details:** | | | |
|---|---|---|---|
| Name: BOZANKAYA TEKNOLOJİ VE YAZILIM İTH. VE İHR. A.Ş. | | | |
| Country: Türkiye | Website: www.bozankayateknoloji.com | | |
| Type of Organization: | [ ] SME | [X] Large Company | [ ] University |
| | [ ] Research Inst. | [ ] Administration | [ ] Other (specify): |
| Number of Employees: | [ ] < 10 | [X] 11-50 | [ ] 51-100 |
| | [ ] 101-250 | [ ] > 250 | |

**Describe the activities, products, services, and expertise of your organization:**

- Bozankaya Teknoloji is the software engineering company within the Bozankaya group, focused on digital systems for public transport vehicles and fleet operations.
- Expertise includes vehicle control software, charging management, ITCS, fleet management and on-board systems integration.
- Solutions serve electric buses, trolleybuses, trams and metro vehicles, with a focus on open standards and interoperability.
- Capabilities span software design, data management and integration; group manufacturer Bozankaya Raylı Sistemler could support vehicle-level testing and validation.

| Project Details | |
|---|---|
| Project Title | Spain–Türkiye R&D opportunity in smart and sustainable public transport (concept open) |
| Acronym | To be agreed with the Spanish lead partner |
| Keywords | Eureka Network Projects; Spain–Türkiye; e-mobility; intelligent charging; energy optimisation; battery monitoring; AI diagnostics; predictive maintenance; digital twins; smart fleets; rail transport |

**Describe your Project:**

- Bozankaya Teknoloji seeks to join a Spanish-led bilateral Eureka R&D consortium as the Turkish technological partner; the project concept remains open for joint definition.
- The overall opportunity concerns interoperable digital solutions to improve energy use, reliability and operations in electric and rail public transport.
- Potential workstreams cover intelligent charging, battery monitoring and control, energy optimisation, AI-assisted diagnostics and predictive maintenance.
- Other possible directions include digital twins, connected vehicle/fleet/depot management and monitoring or automation systems for road and rail transport.

**Describe the innovative part of your project:**

- Research may address integrated optimisation of vehicle, battery, charger and depot data under real operating constraints and heterogeneous system interfaces.
- Potential R&D includes predictive algorithms combining on-board diagnostics, operational data and maintenance histories to anticipate faults or degradation.
- Interoperable vehicle/fleet digital twins could support simulation, optimisation and validation across different public transport platforms.
- The technical baseline, true novelty, research hypotheses, TRL and measurable performance targets will be defined jointly with the Spanish partner.

**Describe the market expectations of your project:**

- Target market segments include vehicle manufacturers, public transport operators, fleet/depot managers and charging infrastructure providers in Spain, Türkiye and Europe.
- Possible benefits include improved energy efficiency, service availability, preventive maintenance and fleet operations; these benefits remain to be validated.
- Results could be exploited as software modules, predictive tools or integrated digital solutions depending on the selected industrial use case.
- Commercial potential, IP ownership, route to market and exploitation commitments will be agreed during consortium and project definition.

| **Possible Partner Profile:** | | |
|---|---|---|
| Type of Partner Needed (multiple choices are allowed) | [X] SME<br>[ ] University<br>[ ] Administration | [X] Larger Company<br>[ ] Research Institution<br>[ ] Other (specify): |

**Describe the expertise of possible partner(s) required for your project:**

- Spanish industrial or technology company with active R&D in electric mobility, transport energy systems, railway technology or digital fleet management.
- Complementary competence in battery/charging systems, AI and data analytics, predictive maintenance, digital twins or interoperable IoT/vehicle systems.
- Capacity to co-define an R&D challenge, carry out substantial technical work and, ideally, provide operational data, use cases or facilities for testing.
- Interest and capability to coordinate the Spanish contribution to a market-oriented civil-use bilateral Eureka collaboration.

**Describe the role of possible partner(s) in your project:**

- Act as Spanish lead, jointly select an industrial challenge and define objectives, milestones, work packages, budgets and technical performance indicators.
- Develop complementary technologies, software or validation methods within its own R&D work packages, alongside Bozankaya Teknoloji's vehicle software capabilities.
- Support prototyping, integration, trials and performance validation using relevant vehicles, facilities, datasets or industrial pilots, where available.
- Co-prepare the Eureka application and agree project governance, data access, IP and exploitation; any academic partners would be optional and subject to eligibility.

**Deadline for Partner Search:** As soon as possible, well ahead of the international application deadline (3 March 2027, 17:00 CET).