

A Turkish R&D performing SME is looking for consortium for HORIZON-HLTH-2025-03-STAYHLTH-01-two-stage: Improving the quality of life of persons with intellectual disabilities and their families

Summary

Profile type

Research & Development Request

Company's country

Türkiye

POD reference

RDRTR20250825009

Profile status

PUBLISHED

Type of partnership

Research and development cooperation agreement

Targeted countries

• World

Contact Person

[Enrico FRANZIN](#)

Term of validity

25 Aug 2025
25 Aug 2026

Last update

25 Aug 2025

General Information

Short summary

This SME is an innovative R&D-driven SME specializing in Virtual (VR) Rehabilitation, AI/ML, and Big Data Analytics. The company focuses on developing next-generation digital health solutions including telerehabilitation that combine advanced sensor technologies, AI, and gamification to improve physical and cognitive rehabilitation outcomes.

With extensive expertise in international R&D project management (EUREKA, EUROSTARS etc.), SME integrates academic know-how with industry-driven innovation

Full description

The SME can contribute as a technology provider, clinical solution integrator, and exploitation partner with strongest roles like:

AI/ML for eHealth (rehabilitation analytics, predictive models)
VR/AR rehabilitation platforms (gamified, sensor-based therapies)
Federated learning & GDPR-compliant data handling

Clinical testing and exploitation strategies

1. AI & Data Analytics Expertise

Development of machine learning/deep learning models for:

Patient monitoring

Movement/gesture recognition

Compensatory motion detection

Personalized treatment recommendation

Contribution to data-driven healthcare insights (predictive analytics, adherence tracking, treatment optimization).

Deployment of federated learning (privacy-preserving AI) to address GDPR and sensitive health data requirements.

Added Value: Ensures scalable, explainable, and secure AI models tailored for healthcare applications.

2. VR-based Rehabilitation Solutions

Integration of immersive rehabilitation games to support both physical and cognitive therapies.

Use of multi-sensor setups (wearables, motion sensors, cameras, LiDAR/RADAR) to enrich rehabilitation data.

Offering tele-rehabilitation platforms for home use with remote clinician monitoring.

Added Value: Provides engaging, patient-centered solutions to improve motivation and compliance, while reducing burden on healthcare systems.

3. Human-Centric Digital Health Applications

Design and development of end-user driven solutions (patients, clinicians, caregivers).

Embedding real-time biofeedback and personalized exercise programs.

Added Value: Direct impact on health system sustainability, enabling at-home care and reducing hospital readmissions.

4. Integration & Interoperability

Expertise in cloud-native platforms with ISO 9001 processes.

Development of interoperable modules that can integrate into existing hospital IT systems, EHRs, and IoT devices.

Strong background in cross-functional project management, ensuring smooth integration into EU project consortia.

Added Value: Bridges clinical workflows with innovative technologies, ensuring uptake and scalability.

5. Clinical & Research Collaboration

Established partnerships with hospitals and clinics in Turkey, plus strong academic connections.

Experience in clinical validation studies for digital health solutions.

Ability to provide real-world testing environments and user feedback loops.

Added Value: Provides testbeds and user validation opportunities within clinical ecosystems.

6. Commercialization & Exploitation

Proven track record in productization and commercialization of R&D outcomes (e.g., Becure rehabilitation solutions and product line).

Strong experience in European exploitation strategies via EUREKA/ITEA/CELTIC projects.

Capability to lead market analysis, exploitation planning, and business model development.

Added Value: Strengthens the exploitation and dissemination parts of Horizon Europe projects, ensuring research moves into the market.

Advantages and innovations

The SME brings a unique combination of scientific excellence, technical expertise, and commercialization capacity to

the eHealth domain. The company has established a strong reputation in delivering AI-powered, VR-based rehabilitation solutions, combining big data analytics, machine learning, and sensor technologies into scalable platforms that address real-world clinical needs.

A major advantage of the company lies in its multimodal sensing capabilities (LiDAR, RADAR, wearables, motion sensors, and IoT devices) that enable precise monitoring of patient activities, compensatory movements, and adherence to rehabilitation programs. This creates a data-rich environment where artificial intelligence models can provide real-time biofeedback, optimize treatment dosage, and generate personalized therapy recommendations. Unlike conventional rehabilitation systems, this SME ensures both accuracy and motivation, allowing patients to perform therapies at home under continuous digital supervision while clinicians track progress remotely.

The company is at the forefront of federated learning (FL) technologies in healthcare, enabling privacy-preserving AI development. By training models locally and aggregating results without centralizing sensitive medical data, the company addresses critical challenges of GDPR compliance, data sovereignty, and trustworthiness. This innovation provides a significant competitive edge in international projects where secure cross-border health data usage is essential.

The company also differentiates itself through its flexible and adaptive solution architecture, which can be rapidly configured for new indications beyond musculoskeletal rehabilitation, extending to neurology, geriatrics, and preventive healthcare. The combination of immersive serious games, intelligent recommender systems, and ISO 9001-certified quality processes ensures robust, clinically validated products that are both technically advanced and user-friendly.

Technical specification or expertise sought

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Capability to lead market analysis, exploitation planning, and business model development.

Added Value: Strengthens the exploitation and dissemination parts of Horizon Europe projects, ensuring research moves into the market.

Finally, company's track record in EUREKA, ITEA, CELTIC+, and EUROSTARS projects, combined with its network of hospitals, universities, and research centers, reinforces its ability to act as a reliable R&D partner. By merging cutting-edge technology with clinical validation and commercialization experience, the company provides innovative, scalable, and sustainable contributions to Horizon Europe projects, accelerating the adoption of next-generation eHealth solutions across Europe.

Stage of development

Under development

Sustainable Development goals

- **Goal 9: Industry, Innovation and Infrastructure**
- **Goal 3: Good Health and Well-being**

IPR Status

No IPR applied

IPR Notes

Partner Sought

Expected role of the partner

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Type of partnership

Research and development cooperation agreement

Type and size of the partner

- **SME 11-49**
- **SME 50 - 249**
- **SME <=10**
- **Big company**
- **R&D Institution**
- **University**

Call Details

Framework program

Horizon Europe

Call title and identifier

HORIZON-HLTH-2025-03-STAYHLTH-01-two-stage: Improving the quality of life of persons with intellectual disabilities and their families

Submission and evaluation scheme

This is a two stage call

Anticipated project budget

Coordinator required

6000000

Yes

Deadline for EoI

1 Sep 2025

Deadline of the call

16 Sep 2025

Project duration in weeks

156

Web link to the call

Project title and acronym

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Dissemination

Technology keywords

Market keywords

- **05005021 - Medical computer sciences**
- **05007006 - Computer-aided diagnosis and therapy**
- **05003001 - Therapeutic services**
- **05007003 - Handicap aids**

Targeted countries

- **World**

Sector groups involved

- **Health**