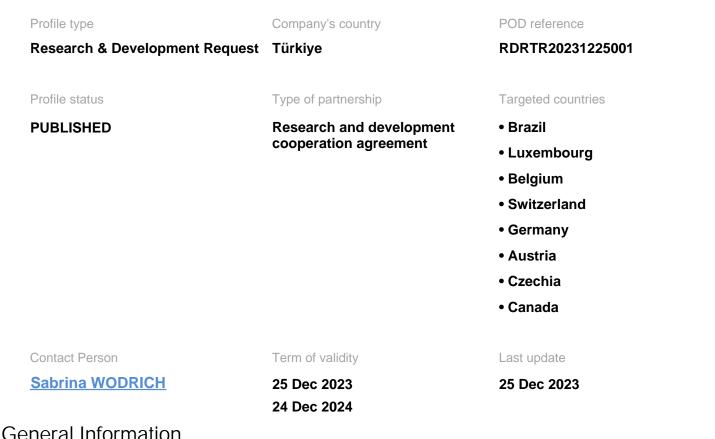# A Turkish start-up specializing in research on the digital transformation of healthcare solutions is looking for partners to submit proposals to IraSME.

Summary

Profile type	Company's country	POD reference
Research & Development Request	**Türkiye**	**RDRTR20231225001**

Profile status	Type of partnership	Targeted countries
PUBLISHED	**Research and development cooperation agreement**	• **Brazil** • **Luxembourg** • **Belgium** • **Switzerland** • **Germany** • **Austria** • **Czechia** • **Canada**

Contact Person	Term of validity	Last update
Sabrina WODRICH	**25 Dec 2023** **24 Dec 2024**	**25 Dec 2023**

General Information

Short summary

A start-up in Ankara, Turkey, specializing in information technologies, particularly healthcare solutions in web and mobile applications, seeks partners to submit IraSME proposals. With a proven track record of delivering high-quality solutions, the company is interested in collaborating on digital transformation healthcare projects in Luxembourg, Austria, Switzerland, Chezia, Canada, Brazil, Belgium, and Germany.

Full description

With 15 years of experience, 4 offices in the Technology Manufacturing Center Ankara, Türkiye, and over 30 employees the company is Turkey's powerhouse software solutions provider. Their portfolio covers a comprehensive digital infrastructure, mobile applications, and digital business solutions. The company specializes in the field of

information technologies – especially with healthcare solutions- in web and mobile applications, and has a proven track record of delivering high-quality solutions to their clients. The product portfolio extends from healthcare information technology infrastructure components to business applications and includes wide-ranging service options built around these products. The company hosted many national projects in Türkiye. Their solutions can be summarized as;
- Software Development,
- Artificial Intelligence,
- Internet of Things,
- Data Analytics,
- Cloud Services.

Completed projects can be summarized as:

End-to-end Vaccine Management System;
It was developed together with the Ministry of Health of the Republic of Türkiye and is an application that ensures the execution of the entire vaccination process from vaccine logistics to the administration of the vaccine to the citizen. It is ready for use with 86,893 health workers in Türkiye and is currently in use. And the product is in pilot use in a province of Kazakhstan.

Artificial Intelligence-Supported Vaccine Tracking and Management System:
The Artificial Intelligence Supported Vaccine Tracking and Management System has emerged as a continuation of the End-to-End Vaccine Tracking System. T.R. The Ministry of Health has reviewed their project proposal and stated that they will request the project subject system if the project is completed.

Tele-Health Platform:
Telehealth platform connecting patients with healthcare professionals and making the healthcare experience more human. It offers patients a space to find and review a doctor according to their needs. In turn, it offers healthcare professionals and medical centers tools to help manage their patient flow, improve the efficiency of their practice, and enhance their online presence.
The application is currently used by over 500 healthcare professionals.

Clinical Examination Management System:
It is an application developed to record health data such as examinations, prescriptions, analyses, examinations, treatments, health reports, etc. belonging to citizens in primary health care units like Dental clinics, Workplace physicians, Beauty centers, Joint Health and Safety Units, Nutrition and diet clinics, Family doctors, medical centers, hospitals.

Public Health Management System:
A system is being developed in which the screening and follow-up of patients included in the home health practice by the Ministry of Health, their periodic care, and drug delivery to patients are carried out.

Life Fits Home:
It is a mobile application developed together with the Ministry of Health of the Republic of Türkiye to inform and direct about the new type of coronavirus, to minimize the risks that may be experienced related to the epidemic disease, and to prevent its spread.
Life Fits Home is used by 73.198.597 citizens in Türkiye.
It has instant 80-100k, daily 30M transactions.

Filiation and Insulation Tracking System:
The application developed together with the Ministry of Health of the Republic of Türkiye, which ensures that the health data of the people with whom COVID-positive cases are in contact are regularly monitored, aims to reduce the danger of patients transmitting the virus to others and to provide isolation conditions. To increase the effective utilization rate of field teams and to ensure instant follow-up of the teams, the field examination and filiation steps

were digitized in April.

Advantages and innovations

Unique Integration of Healthcare and Technology: Emphasize Sorentum Technology's specialization in integrating digital transformation with healthcare solutions, particularly in web and mobile applications. Highlight the uniqueness of their approach and any proprietary technology or methods they employ.

Comprehensive Digital Infrastructure: Point out the broad range of services, from healthcare IT infrastructure components to business applications, including software development, AI, IoT, Data Analytics, and Cloud Services. Mention any standout features or capabilities that set their infrastructure apart from competitors.

Successful National Projects: Note any significant projects, like the End-to-End Vaccine Management System or the Tele-Health Platform, which demonstrate successful implementation and impact. Highlight the scale, scope, and benefits realized from these projects.

Artificial Intelligence & Data Analytics: Detail the advanced use of AI and data analytics in their healthcare solutions, such as in vaccine tracking and management systems, and how these technologies drive better outcomes, efficiency, and decision-making in healthcare provision.

Telehealth Capabilities: Describe the capabilities of their Telehealth platform, including ease of access for patients and management tools for healthcare professionals. Mention any innovations in how they connect patients with services or in the operational efficiency of healthcare providers.

Performance and Economic Benefits: Discuss any data or metrics that showcase the performance, reliability, and cost-effectiveness of their solutions compared to traditional methods or competitors' offerings.

Technical specification or expertise sought

For the IraSME the company can make the following contributions to the consortium

Data Management and Analysis:
Expertise in collecting, cleaning, and analyzing large volumes of data from diverse sources, including hospital records, health system data, and surveys. This capability enables the creation of a robust database and facilitates comparative analysis.

Artificial Intelligence:
Proficiency in Artificial Intelligence demonstrated through the development of an AI-powered Vaccine Tracking and Management System for TUBITAK (currently under review). This expertise can significantly contribute to the success of the project.

Telehealth Technology Applications:
Utilization of the Telehealth Platform and Clinical Examination Management System to provide insights into Acute Hospital Service applications. These technologies can be employed to integrate Acute Hospital Service programs across different countries or enhance existing systems. Additionally, exploring telehealth applications to enhance patients' compliance with home treatment, improve access to health services, and alleviate caregiver burdens is a potential avenue.

EHR Integration and Data Technology:
Specialization in Electronic Health Records (EHR) integration and data technology. The company's experience positions it well to support the integration of EHR systems in diverse healthcare environments. This integration enhances the accessibility and comparability of different hospital records and health data. Furthermore, the company

can develop and guide data technologies essential for monitoring continuity of care.

Stage of development	Sustainable Development goals
Under development	• **Goal 3: Good Health and Well-being**
	• **Goal 17: Partnerships to achieve the Goal**
	• **Goal 9: Industry, Innovation and Infrastructure**

IPR Status

Partner Sought

Expected role of the partner

The company is seeking to apply for an IraSME collaboration, which requires a blend of expertise in research, international collaboration, and project management. For this purpose, they are looking to partner with entities that fit into the SME (Small and Medium-sized Enterprises) category as well as universities with a strong track record in collaborative projects. their goal is to find partners who are not only proficient in their respective fields but also have experience in working within international frameworks and managing complex projects. This partnership aims to leverage diverse skill sets and resources, bringing together industry and academic insights for innovative and impactful outcomes

Type of partnership	Type and size of the partner
Research and development cooperation agreement	• **SME 11-49**
	• **R&D Institution**
	• **SME 50 - 249**
	• **University**
	• **SME <=10**

Call Details

Framework program

Eureka

Call title and identifier

IraSME

Submission and evaluation scheme

Anticipated project budget

Coordinator required

Yes

Deadline for EoI

17 Mar 2024

Deadline of the call

27 Mar 2024

Project duration in weeks

Web link to the call

Project title and acronym

Dissemination

Technology keywords

- **01003003 - Artificial Intelligence (AI)**
- **06005003 - Health information management**
- **01003025 - Internet of Things**
- **01003024 - Cloud Technologies**

Market keywords

- **02007012 - Medical/health software**
- **02007016 - Artificial intelligence related software**
- **02006005 - Big data management**
- **05007005 - Hospital and other institutional management**

Targeted countries

Sector groups involved

- **Brazil**
- **Luxembourg**
- **Belgium**
- **Switzerland**
- **Germany**
- **Austria**
- **Czechia**
- **Canada**