INTERNATIONAL PROJECT	**Project under Management**	
Summary Form: DST-TDB & CDTI Call 2024	**Agreement Reached**	
Input date: **24th March 2025**	**Country of origin:** India **Country of Interest:** Spain	

✓ **Information of the company requesting the partner search service**	
Name of the company	UNCHARTED INFOLABS PRIVATE LIMITED (ENRICHAI)
Contact Person (full name, position)	Arijit Biswas, CEO
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Telephone	+919701215544
Email	Arijit.biswas@enrichai.com
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Last exercise Revenues M$	**$600,000**	Number of employees	10	Year of Constitution	2017	Social Capital M$	

Firm profile: main activity, sector, market position, main product or service, previous R&D experience, etc.

Firm Profile

Our company is a leading AI and IoT solutions provider based in India, specializing in real-time data intelligence, smart infrastructure monitoring, and AI-driven automation. We develop cutting-edge IoT-powered systems that integrate AI, sensor networks, and real-time analytics to enhance decision-making for enterprises, smart cities, and industrial applications.

Sector & Market Position

Operating at the intersection of AI, IoT, and geospatial intelligence, we cater to government agencies, infrastructure developers, logistics providers, and industrial enterprises seeking advanced automation, surveillance, and resource optimization solutions. Our IoT-powered AI platforms provide real-time insights, enabling smarter, data-driven operations across multiple sectors.

Main Products & Services

- Intelligent Video Recorder – An AI-powered surveillance system with real-time threat detection, anomaly alerts, and event trend analysis.
- IoT-Based Smart Infrastructure Monitoring – End-to-end sensor-driven solutions for traffic optimization, asset tracking, energy efficiency, and environmental monitoring.
- AI-Powered Predictive Analytics – Advanced AI models for anomaly detection, predictive maintenance, and automated compliance monitoring.

Previous R&D Experience

We are a deep-tech innovation company, investing 80% of our EBITDA annually into R&D to drive next-generation AI and IoT solutions. Recognized by Startup India, we have developed and deployed scalable IoT platforms for logistics, smart cities, and infrastructure monitoring. Our expertise was further validated when we secured an Indo-Singapore R&D grant to develop an IoT-powered Agritech product, demonstrating our capability to build high-impact AI & IoT-driven solutions for global markets.

We now seek international collaboration to co-develop next-gen AI & IoT solutions that enhance urban resilience, industrial efficiency, and smart governance.

✓ **Information of the Technology Collaboration Project**

Project idea, description of project objectives and type of collaboration wanted

Project Idea
The project aims to develop an IoT-powered Urban Noise Monitoring and Management System that collects, analyzes, and visualizes real-time noise pollution data across city environments. Low-cost, connected noise sensors will be deployed at strategic urban locations to monitor decibel levels continuously. A centralized platform will display noise trends, generate alerts, and provide actionable insights for city planners, law enforcement, and citizens. Using AI, the system will also categorize the source of noise—such as honking, construction, or nightlife—enabling targeted policy interventions. The end goal is to create smarter, healthier, and more sustainable urban living spaces in both India and Spain by managing one of the most under-addressed forms of urban pollution: noise.

Description of Project Objectives
The key objective is to build a scalable and adaptive solution for urban noise monitoring that serves the distinct needs of Indian and Spanish cities. Specific objectives include:
1. Designing robust, low-energy noise sensors compatible with varying urban infrastructure.
2. Developing an AI-driven platform for real-time analysis and classification of noise sources.
3. Creating public dashboards and APIs for integration with smart city systems.
4. Supporting policy enforcement (e.g., No Honking Zones, Nighttime Quiet Hours) through automated alerts.
5. Promoting community awareness and engagement in noise reduction efforts. This project aspires to demonstrate measurable impact on health, policy compliance, and urban planning effectiveness.

Type of Collaboration
We seek a joint innovation collaboration between Indian and Spanish partners, combining strengths in hardware, software, and regulatory alignment. The Indian partner will focus on sensor hardware design, deployment in dense, high-noise environments, and large-scale testing. The Spanish partner will contribute expertise in environmental regulations, smart city system integration, and use case implementation in controlled, policy-driven urban zones. Both sides will co-develop the AI analytics layer and jointly define interoperability standards. The collaboration will include knowledge exchange, joint IP creation, pilot deployments in both countries, and a shared go-to-market strategy to scale the solution globally.

Estimated budget of the project : $ 1.2 Mn

Estimated Foreseen Budget M€		New Partner contribution M€	
Public Funds %		Funding %	

✓ **Profile of the partner wanted: activities to do by the new partner**

Summary of the activities to be developed by the partner. Please be as specific as possible.

Criteria required from the partner (expertise or know-how in a specific area, technical equipment needed, etc.)

The partner will co-develop and implement the solution in the Spanish context, ensuring alignment with local environmental regulations and smart city frameworks. Key activities include:

- Assisting in the co-design and calibration of noise sensors for accurate readings under European urban conditions.
- Deploying pilot installations in selected Spanish cities and collecting real-world noise data.
- Integrating the noise monitoring system with existing urban infrastructure and digital twins, if available.
- Leading the development of compliance dashboards for municipal authorities.
- Supporting the development and localization of citizen-facing mobile/web interfaces.
- Conducting comparative analysis of urban noise patterns between Indian and Spanish deployments to refine AI models.

We can also help you to contact partners that you have already identified but you have not contacted yet. If this is the case, please provide us with the contact details of the company you would like to contact.

✓ **Potential Partner Information**	
Name of the firm	
Contact Person (name, position)	
Address	
Zip Code and City	
Telephone	
Email	
Web Page	

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