

INTERNATIONAL PROJECT		Project under Management <input type="text"/>
Summary Form: DST-TDB & CDTI Call 2024		Agreement Reached <input type="text"/>
Input date:		Country of origin: India Country of Interest: Spain

✓ Information of the company requesting the partner search service							
Name of the company		Crispblue Space and Communication Technology Solutions Pvt.Ltd .(A Startup Organization and Collaborative Partner of a,premier IOTand AI, r&d based Government of India Agency)					
Contact Person (full name, position)		Pallab Kumar Chakraborty. Founder and Managing Director					
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Telephone+ 918637505015							
Email: pkcin@yahoo.com, director@crispblue.in							
Web Page: www.crispblue.in							
Last exercise Revenues M\$	-	Number of employees	10	Year of Constitution	2022	Social Capital M\$	-
Firm profile: main activity, sector, market position, main product or service, previous R&D experience, etc. Firm Profile: Our company specializes in R&D-based product development, focusing on cutting-edge technologies in Space Technology, Navigation, and Hyperspectral solutions. We seamlessly integrate Edge							

Computing and AI-powered innovations to deliver top-tier solutions. Navigation and PNT solutions require in all sectors for Accurate positioning accuracy.

Main Activity

Our primary activities involve designing, developing, and deploying advanced navigation and hyperspectral Remote Sensing solution/systems, leveraging Edge Computing and AI capabilities.

Sector

We operate in the Aerospace and Defense sector, Railways with a strong emphasis on Navigation, Space Technology, and Hyperspectral Imaging.

Market Position

As a pioneering firm in R&D-based product development, we hold a unique position in the market. Our expertise in integrating Edge Computing and AI with navigation and hyperspectral systems sets us apart from competitors.

Main Product or Service

Our flagship product is the GNSS with NavIC-based Positioning Device, specifically designed for the Indian Railways. This device provides accurate positioning and navigation, enhanced by Edge Computing integration.

Previous R&D Experience

Our team has extensive R&D experience in:

1. ***Navigation Systems***: Developing innovative navigation solutions using GNSS, NavIC, and other satellite-based systems.
2. ***UAV BASED GNSS-R*** and ***Hyperspectral Imaging***: Designing and deploying hyperspectral imaging systems for various applications, including environmental monitoring Disaster Management and Response and crop analysis etc.
3. ***Edge Computing and AI***: Integrating Edge Computing and AI capabilities to enhance the performance and accuracy of our navigation and hyperspectral systems.
4. ***Space Technology***: Collaborating with space agencies and organizations to develop cutting-edge space technology solutions.

Our R&D expertise and experience enable us to deliver innovative solutions that meet the most demanding requirements.

✓ **Information of the Technology Collaboration Project**

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

Project Idea: Proposal-2-
UAV Based Disaster monitoring Forest Fires /Floods, etc. using GNSS-R (Reflectometry) Technology with Associate Warning System with Edge Computing.

Project Objectives:

- a) To develop a Framework for Rapid Forest Fire Detection and Assessment.
- b) To develop a Framework for Rapid Flood Detection and Assessment .
- c) Disaster monitoring applications such as Wildfires, Oil spills, Landslides.

To minimize data transmission requirements, ensuring efficient use of network resources in disaster-prone or infrastructure-compromised areas.

Type of Collaboration :

Main characteristics and specific technological expertise of potential partner:

Satellite Navigation.
GNSS-R and Hyperspectral Remote Sensing
AI based Computing
Edge Computing.

Estimated budget of the project : 8,00,000 Euro

Estimated Foreseen Budget M€	. 8	New Partner contribution M€ .260	
Public Funds %	.367	Funding 45 %	

Estimating the budget for a Hyperspectral Remote Sensing with Edge Computing project for Disaster Management requires a clear understanding of the collaboration engagement, roles, and responsibilities. Without this information, it's challenging to provide an accurate budget.

However, we can provide a rough estimate based on the assumption that the project will require a combination of hardware, software, and personnel costs.

Assuming a 2-year project duration, here are some rough estimates:
Rough estimate: EURO 8,00000.

✓ 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.)

Activities to be Developed by the Partner:

As a start-up, we are seeking a partner in Spain to collaborate with us on GNSS/Positioning Solutions, Gns-Reflectometry and Hyperspectral Remote Sensing with Edge Computing-based project.for the following activities:

1. *Integration of GNSS/Positioning Solutions*:
2. *Gnss -R* and *Hyperspectral Remote Sensing Data Analysis and processing.
3. *Edge Computing Infrastructure Development to support the processing and analysis of Gnss-R and Hyperspectral Remote Sensing data"
4. *Pilot Project Implementation*:
5. *Testing and Validation*:
6. *New Business opportunities *

Criteria Required from the Partner:

We are seeking a partner with the following expertise and capabilities:

1. *Expertise in GNSS/Positioning Solutions*: Experience in developing and integrating GNSS/Positioning Solutions.
- 2.*Gnss-R* and *Hyperspectral Remote Sensing Expertise*: Knowledge and experience in Gnss-R and Hyperspectral Remote Sensing data analysis and processing.

3. ***Edge Computing Infrastructure***: Experience in developing and deploying Edge Computing infrastructure.
4. ***Software Development***:
5. ***Project Management***: Experience in managing projects, including coordinating with stakeholders, managing timelines, and ensuring deliverables are met.
6. ***Technical Equipment***:

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. "KINDLY NOTE WE DO NOT KNOW, ANY POTENTIAL COMPANY BASED ON OUR ACTIVITY AND REQUIREMENT. KINDLY HELP US, IN THIS, REFARD AND CONNECT US .IF ANY FURTHER INFORMATION REQUIRED, PLEASE FEEL FREE TO REACH US. "

✓ <u>Potential Partner Information. : Please provide and Connect</u>	
Name of the firm	
Contact Person (name, position)	
Address	
Zip Code and City	
Telephone	
Email	
Web Page	

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