INTERNATIONAL PROJECT

	Project under Management	
Summary Form:	**Agreement Reached**	
Input date:	**Country of origin:** **Country of Interest:**	

✓ Information of the company requesting the partner search service

Name of the company	AUKLR TECHNOLOGIES PVT LTD
Contact Person (full name, position)	Mr. Prabhu – Sr. Executive & Mr. Naveen – Co-Founder
Address	C&C Arcade, #178, 3rd Floor, 9th Main, HSR Layout, Sector 7,
Zip Code and City	Bengaluru - 560102
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Email	naveen@auklr.com
Web Page	www.auklrcluster.com

Last exercise Revenues M$	220K USD	Number of employees	30	Year of Constitution	2021	Social Capital M$	
Last exercise Revenues M$		Number of employees		Year of Constitution		Share Capital M$	

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

Main Activity: We are a connected technology-driven company at the forefront of revolutionizing the digital cockpit experience for electric vehicles (EVs). Our focus is on designing futuristic, innovative solutions. We understand that the digital cockpit is more than just a control panel; it's the central hub of driver interaction and vehicle functionality. Our approach is to create a harmonious ecosystem that not only enhances the driving experience but also ensures safety, comfort, and efficiency.

Sector: EV Automotive

Market Position: Auto Auxiliary Tier 1 for OEMs

Main Product: Android Digital Instrument Cluster

Services: Digital Cluster Customization – UI/UX

Previous R&D Experience: 10+ Years in Embedded Automotive Design Company(AUKLR Corporate Brochure Attached)

✓ Information of the Technology Collaboration Project

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

Development of a Vehicle-to-Cloud Communication Platform for Data Exchange and AI Analytics

Description:

The project aims to create a robust vehicle-to-cloud communication platform that enables vehicles to securely transmit data to cloud-based servers for storage, analysis, and feedback. It will leverage emerging technologies such as 5G connectivity, edge computing, and machine learning algorithms to enable real-time data exchange and intelligent decision-making for vehicle operations.

Project Objectives:
- Develop a secure and reliable V2C communication protocol that allows vehicles to transmit telemetry data, sensor readings, and diagnostic information to cloud servers.
- Design a scalable cloud infrastructure capable of handling large volumes of data from diverse vehicle fleets while ensuring data privacy and security.
- Implement edge computing capabilities to perform real-time data processing and analysis at the network edge, reducing latency and improving responsiveness.
- Utilize machine learning algorithms to extract actionable insights from vehicle data, such as predictive maintenance alerts, driver behavior analysis, and traffic pattern recognition.
- Create user-friendly dashboards and visualization tools for vehicle owners, fleet managers, and automotive OEMs to access and interpret the collected data.
- Conduct field trials and performance testing to evaluate the reliability, scalability, and effectiveness of the V2C communication platform in real-world environments.

Estimated budget of the project

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

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

Type of Collaboration:

This project requires collaboration among various stakeholders, including:

- Automotive manufacturers and OEMs to integrate V2C communication modules into vehicle systems and provide access to onboard data sources.
- Telecommunications companies to provide high-speed cellular connectivity and network infrastructure for data transmission.
- Cloud service providers to host and manage the cloud-based platform, ensuring reliability, scalability, and data security.
- Automotive Software Companies with expertise in IoT platforms, cloud computing, and data analytics to design and implement the V2C communication protocol and data processing algorithms.

The collaboration will involve multidisciplinary teams working together to develop and deploy the V2C communication platform, with a focus on interoperability, security, and usability

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

1. Automobile Manufacturing Companies of 2W, 3W,4W, Trucks who are looking for Digital Instrument cluster
2. Telematics Automotive companies – who are looking to integrate their solutions in our Digital Instrument Cluster
3. Automotive Cloud AI companies