

**Expression of Interest  
On  
India-Spain Joint Call For R&D&I Projects 2024  
Under  
INDIA – SPAIN PROGRAMME OF COOPERATION ON INDUSTRIAL RESEARCH AND DEVELOPMENT**

1. **Company Name:** Pangun Infosol Private Limited

2. **Company Profile:** Our organization delivers a comprehensive suite of AI-integrated software, notably **Pangun Neo ERP**, empowering small and medium-scale enterprises across the Defence, Aerospace, Automotive, Railways, Oil & Gas and General Industrial Machinery sectors.

We offer a trifecta of standalone solutions: an **AI Integrated Tool**, an **ISO Audit Compliance Software Tool**(supporting ISO 9001, AS9100, ISO22163, ISO Drone Tech), and **Quality Management Software Tools** for FMEA, FRACAS, RAMS, and LCC analysis.

Neo ERP provides powerful modules for Manufacturing, Supply Chain, Financials, HR, Marketing, and CRM, enabling clients to optimize production, enhance efficiency, and strengthen customer relationships. Our solutions have consistently helped manufacturers scale operations, uphold high quality and compliance standards, reduce costs, and increase profitability through continuous operational improvement.

3. **Country (India/Spain):** India

4. **Sector and subsectors:** Software development for Industries such as Aerospace, Defence, Railways, Automobile, Oil & Gas, Heavy Engineering Components Manufacturers

5. **Year Established:** May 21st, 2024

6. **Contact Information:** Pangun Infosol Private Limited located at BHIVE Workspace, L-194, Santhosapuram, Sector 6, HSR Layout, Bangalore, Karnataka, India 560101

**Registered office Address** at: Pangun Infosol Private Limited, 133/2, 4th Floor, Janardhan Towers, Residency Road, Bangalore, Karnataka, India - 560025  
CIN: U62013KA2024PTC188776

7. First Name: ARUN PRASATH

8. Last Name: MUTHAIAH

9. Email Id: [arunprasath11689@gmail.com](mailto:arunprasath11689@gmail.com)/ arun@pangun.tech

10. Phone Number: +91 9980929590

11. Website: [www.pangun.tech](http://www.pangun.tech)

12. Proposed Area of Application: **Large Language Model Project Model Proposal for Product Lifecycle Management (Design to Improvement)**

13. Proposed Project Summary: **Large Language Model Development for Product Lifecycle Management (Design to Improvement)**

### Executive Summary

Pangun proposes an **advanced LLM-powered PLM solution** for end-to-end product lifecycle management. This dynamic, self-learning system goes beyond traditional RAMS tools, **optimizing reliability, availability, and safety while minimizing life cycle costs**. The core LLM will be **fine-tuned for tasks** like FMEA, RAMS, and LCC, providing crucial decision support and outputs. It will deliver **refined designs and optimized processes** from initial concept through manufacturing.

### Problem statement

Current product life cycle systems **lack holistic integration**, failing to feed real-time operational data back into design for continuous improvement. This prevents the creation of a **dynamic, self-learning system** for product optimization.

There's an absence of **advanced analytical capabilities** for critical tasks like FMEA generation and RAMS monitoring. This results in **inefficient analysis, reactive problem-solving**, and hinders proactive optimization and accurate life cycle cost predictions

### Proposed Solution:

Pangun proposes a **user-centric, cloud-based SaaS platform** leveraging LLMs to transform PLM. This platform will provide **intelligent decision support and automation** for tasks like FMEA, RAMS, and LCC, delivering optimized designs and processes. It features **enhanced data integration** from diverse internal and external sources with robust pre-processing. Crucially, the solution ensures a **continuous learning and feedback loop**, driving LLM-powered design improvements and corrective actions.

### Project Objectives

Our aim is to develop an **LLM-powered software** that integrates capabilities across the entire product lifecycle, from design to continuous improvement. We seek to **reduce development and lifecycle costs** by optimizing reliability, availability, and safety, ultimately **minimizing warranty claims and operational expenditures**. The platform will be **user-centric and intuitive**, providing a holistic view of product performance. This will enhance **customer satisfaction** through higher quality and more reliable products.

14. Main characteristics and specific technological expertise of potential partner you are looking for:

A potential partner needs strong expertise in AI based **large-scale data management and integration** (especially across diverse formats like CAD, sensor, and text). Crucially, they require deep knowledge of **LLM training, fine-tuning, and deployment** for specialized tasks like FMEA generation and predictive analytics. Experience in **real-time data processing and anomaly detection** from operational systems (RAMS/FRACAS) is vital.

We are actively seeking **Spanish OEMs** for collaboration on our LLM-powered PLM solution, targeting their strong **aerospace, railway, automotive, and oil & gas** sectors. Key targets include **Airbus Spain, Talgo, CAF, SEAT**, and major component manufacturers, alongside plants of international OEMs like Stellantis and associations like TEDAE, MAFEX, SERNAUTO.

15. Are you interested to pitch your company & project at our upcoming India – Spain meets?

Yes, we are interested to pitch your company & project at our upcoming India – Spain meets

Match Making Event 1: Online/Off-line Mode - Both online and in-person options are available

Match Making Event 2: Online/Off-line Mode- Both online and in-person options are available

The information collected in the interest form will only be used for the match-making activities to India-Spain Joint Call For R&D&I Projects 2024(DST-TDB – CDTI CALL FOR PROPOSALS UNDER THE INDIA – SPAIN PROGRAMME OF COOPERATION ON INDUSTRIAL RESEARCH AND DEVELOPMENT)

\*\*\*\*\*