ALISys Co.,Ltd.

6-6-40 Aramaki Aza-Aoba Aoba-ku, Sendai Miyagi 980-8579, Japan

Phone: +81-22-281-9695

REQUEST FOR PROPOSAL (RFP)

PP09 – AI Service Trial Outsourcing

United Nations Industrial Development Organization (UNIDO) Feasibility Study Project

"Feasibility Study (F/S) of efficient mine detection and damaged urban structures' monitoring using advanced drones in Ukraine and innovative synthetic aperture radar technology of Japan"

Issued by: ALISys Co., Ltd.

11th December 2025

1. Context and Background

- ALIS-AR: A next-generation landmine detector based on ground-penetrating synthetic aperture radar.
- 3D GB-SAR: A MIMO ground-based SAR system for displacement monitoring of damaged urban structures.

Both sensors will be connected to an upgraded ALIS Cloud platform, enabling advanced data management and future AI-based analysis.

Under the UNIDO-supported Feasibility Study in Ukraine, ALISys is examining:

- Efficient landmine detection in urban and semi-urban areas using ALIS-AR
- Remote monitoring of structurally compromised buildings using 3D GB-SAR

This RFP is issued to outsource the technical evaluation and preparation of AI-related specifications for Phase 2.

2. Purpose of the RFP

ALISys Co., Ltd., in collaboration with UNIDO, is conducting a Feasibility Study in Ukraine aimed at improving:

- Landmine detection through ALIS-AR
- Remote displacement monitoring of damaged structures using 3D GB-SAR

Both sensors will be connected to a new cloud system enabling future AI-based analysis. This Request for Proposal (RFP) is issued for the implementation of **PP09 – AI Service Trial Outsourcing Cost** under the UNIDO-supported Feasibility Study described above. The purpose is to:

1. Investigate and evaluate AI services applicable to ALIS-AR and 3D GB-SAR
2. Define AI-related technical requirements
3. Examine cloud integration methods
4. Prepare specifications necessary for AI integration for Phase 2 (Pilot Technology Demonstration)

3. Scope of Work

The contractor shall perform the following tasks:

Activity	Deliverable
1. Investigate and evaluate AI services suitable for ALIS-AR and 3D GB-SAR	\<Deliverable 1\>
2. Define AI application requirements based on radar data characteristics	\<Deliverable 2\>
3. Propose integration methods for the new cloud system	\<Deliverable 3\>
4. Develop AI utilization scenarios (landmine detection, structural monitoring)	\<Deliverable 4\>
5. Prepare technical specifications and a final report for Phase 2	\<Deliverable 5\>

4. Technical Requirements (Information Provided by ALISys)

ALISys will provide the contractor with:

- ALIS-AR data specification overview
- 3D GB-SAR data specification overview
- Cloud system information
  - o Outline of the existing ALIS Cloud
  - o Integration concept for the new system in Phase 2
- Operational use-case scenarios (landmine detection, structure monitoring)

Detailed data formats will be provided after contract signing.

5. Pre-bid Meeting

ALISys will hold an online briefing session for interested bidders.

Date:

During the period **22–26 December 2025**

(The exact date and time will be announced to registered bidders.)

Format:

Online (Zoom or equivalent)

Agenda:

1. Overview of the UNIDO Feasibility Study
2. Technical outline of ALIS-AR and 3D GB-SAR
3. Explanation of PP09 outsourcing scope
4. Q&A session

Registration:

Advance registration by email is required.

6. Proposal Contents

Proposals must include:

1. Technical approach and methodology
2. Team structure and key personnel
3. Schedule (delivery by March 2026)
4. Itemized financial proposal

7. Evaluation Criteria

- Technical soundness
- Feasibility of implementation
- Cost reasonableness
- Relevant experience and expertise

8. Contract Conditions and Submission Details

8.1 Intellectual Property Rights (IPR)

1. **Ownership of Deliverables**

   All deliverables shall constitute work-for-hire and belong to ALISys within the context of this UNIDO project.

2. **Use by UNIDO**

   ALISys grants UNIDO a non-exclusive right to use the deliverables for the Feasibility Study and Phase 2.

3. **Pre-existing IP**

   Pre-existing software, AI models, or tools remain the contractor's property.

   Such IP must be declared, and a project-use license must be granted.

4. **Confidentiality**

   No disclosure or reuse outside the project without written approval from ALISys.

8.2 Submission Requirements

- Format: PDF
- Deadline: To be announced
- Submission to: ALISys Co., Ltd.

9. Contact Information

All inquiries regarding this Request for Proposal (including questions on the RFP, registration for the pre-bid meeting, and submission-related clarifications) shall be addressed to the following contact:

Jun Fujiwara

Director, ALISys Co., Ltd.

E-mail: j.fujiwara@alisys.co.jp