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		Request For Information for AIS-based Vessel Surveillance (INGL/TENDER/2026/42)		
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Table of Contents

1. BACKGROUND	3
2. THE SOLUTION REQUIREMENTS.....	3
3. SUBMITTING THE INFORMATION.....	4
4. GENERAL.....	4
APPENDIX A – SOLUTION REQUIREMENTS.....	5
APPENDIX B – RESPONSE FORM.....	10

1. Background

- 1.1 Israel Natural Gas Lines Ltd. (hereinafter: "**INGL**") wishes to explore the available solution for provision of Automated AIS-Based Vessel Surveillance, Alerting and Reporting services (hereinafter: "**Services**") for Ashdod-Ashkelon Pipeline offshore Israel.
- 1.2 For this purpose, INGL is approaching suppliers and/or providers of relevant solutions in order to gather information regarding suitable solutions available in the market (hereinafter: "**Solution**").
- 1.3 The AAP is a live offshore natural gas transmission pipeline linking Ashdod and Ashkelon landfalls, operated by INGL.
- 1.4 Sections of the offshore route experience elevated marine activity, including commercial shipping, fishing activity and other vessel movements. The pipeline has been fully operational since June 2026. Supplementary pipeline protection works, including the installation of concrete mattresses, are planned for the second half of 2026.
- 1.5 As an additional safety measure, INGL intends to enhance its existing operator-led AIS surveillance capability through the introduction of an automated vessel surveillance service, which should have those capabilities:
 - 1.5.1 24/7 automated surveillance service of vessel movements within configurable pipeline corridors and associated infrastructure zones.
 - 1.5.2 Rapid identification and prioritization of behavior may indicate anchoring, loitering, stopping, abnormal maneuvering or other potential interaction with the pipeline.
 - 1.5.3 Timely, reliable and auditable alerts to nominated personnel through agreed channels and escalation paths.
 - 1.5.4 Clear online operational dashboards, event records, track history and routine management reporting.
 - 1.5.5 Efficient data storage for recorded events, enabling playback capability for auditing, review of events/activity of concern and trend identification.
 - 1.5.6 Capability of rapid deployment for an initial twelve-month period, with options to extend and, if required, transition into longer-term operations.
 - 1.5.7 Capability of scaling to cover additional offshore infrastructure as required.
- 1.6 INGL may continue its operator-led AIS surveillance until the automated service is operational, and it may remain part of the longer-term operating model.

2. The Solution Requirements

- 2.1 The Solution requirements are listed in the form attached hereto as **Appendix A**.

3. Submitting the Information

- 3.1 Parties interested in providing information are required to submit their response using the Response Form attached hereto as Appendix B, duly completed and signed, to c-tender@ingl.co.il, no later than October 6, 2026, at 17:00 (Israel Time).

Clarification requests regarding this RFI may be submitted to the same email address no later than September 10, 2026, at 17:00 (Israel Time). The subject line of each email shall clearly indicate its purpose, as follows: **"Request for Information Regarding Automated AIS-Based Vessel Surveillance, Alerting and Reporting Services"** for responses, and **"Clarification Request Regarding Automated AIS-Based Vessel Surveillance, Alerting and Reporting Services"** for clarification requests.

INGL may, at its sole discretion, publish responses to clarification requests and any resulting amendments or updates to this RFI.

- 3.2 The response should be submitted electronically in one searchable PDF together with the completed schedules in editable Word (docx) format (Appendix B). File names should include the supplier's name and RFI reference.
- 3.3 Responses should be concise, evidence-based and clearly distinguished:
- 3.3.1 Functionality available and proven in production at the response date.
 - 3.3.2 Functionality requiring configuration, integration or third-party services.
 - 3.3.3 Functionality under development, with a committed or indicative availability date.
 - 3.3.4 Exclusions, assumptions or dependencies affecting scope, performance, timescale or price.

4. General

- 4.1 It is hereby clarified that the sole purpose of this RFI is to obtain information. Nothing contained herein, or in this process, shall constitute an offer, invitation, or tender, nor shall this RFI or any response thereto obligate INGL to conduct negotiations with any Respondent, enter into an agreement with any Respondent, or publish a Tender or initiate any other procurement process for the acquisition of the Services.
- 4.2 The prices listed in the Response are non-binding and are being provided for budgetary purposes only. INGL shall be entitled not to approach a respondent, which its solution exceeds the budgetary limits of INGL in future proceedings.
- 4.3 INGL shall be entitled, at its sole and absolute discretion, to make any use of the information received in response to this RFI, including, without limitation, for the preparation of specifications, a tender, or a request for proposals. The Respondents hereby waive any and all claims in connection with such use.

Sincerely Yours
Israel Natural Gas Line

Appendix A – Solution Requirements

Outline requirements

Service outcomes

- a) 24/7 automated surveillance service of vessel movements within configurable pipeline corridors and associated infrastructure zones.
- b) Rapid identification and prioritisation of behaviour that may indicate anchoring, loitering, stopping, abnormal manoeuvring or other potential interaction with the pipeline.
- c) Timely, reliable and auditable alerts to nominated personnel through agreed channels and escalation paths.
- d) Clear online operational dashboards, event records, track history and routine management reporting.
- e) Efficient data storage for recorded events, enabling playback capability for auditing, review of events/activity of concern and trend identification.
- f) A service capable of rapid deployment for an initial twelve-month period, with options to extend and, if required, transition into longer-term operations.
- g) The service shall be capable of scaling to cover additional offshore infrastructure as required.

Geographic coverage

The service must support configurable digital monitoring corridors along the offshore AAP route, including designated priority zones near the Ashdod and Ashkelon approaches. Preferably, the service should allow users to configure geographic boundaries, monitoring and alert parameters. Definitive route coordinates, corridor widths, alert zones and any exclusion or special-management areas will be agreed during implementation and may be shared under confidentiality controls. Suppliers should describe any geographic, coastal reception, licensing or data-source constraints that could affect coverage, availability, latency or accuracy in Israeli territorial waters.

Core functional capability

- a) Ingest and process appropriate marine data feeds for vessel positioning, identifying the data source, refresh rate, typical latency, coverage and licensing basis of each feed.
- b) Display live and historical vessel tracks with available identity and movement data, including MMSI, IMO number, call sign, vessel name/type, position, and speed.
- c) Apply configurable rules by zone, vessel class, speed, heading, duration, proximity and time.
- d) Detect and alert on corridor entry and on vessel movement patterns that may be consistent with possible anchoring or other activities that could pose a threat to pipeline integrity.
- e) Support alert priority levels, suppression of duplicate or nuisance alerts, acknowledgement, escalation, closure and an auditable action log.
- f) Deliver alerts through common channels such as web/mobile application, email and SMS.

- g) Generate and store event information data packages containing timestamps, map views, vessel information, track history, rule/alert trigger history, and exportable evidence at fit-for-purpose resolution.
- h) Provide scheduled and on-demand reports covering alerts, response times, vessel activity, recurring patterns, system availability and data gaps for defined reporting windows.

Operational and service requirements

Monitoring and response model

INGL is open to a software-as-a-service (SaaS) platform, a supplier-operated managed surveillance service, or a hybrid model. In terms of the monitoring and response model, suppliers shall:

- a) Describe the proposed 24/7 operating model, including monitoring locations, staffing, the use of artificial intelligence and agentic processes, languages, and handover arrangements.
- b) State whether alerts are generated directly to INGL, validated by supplier personnel before issue, or both.
- c) Propose severity levels, target notification times, escalation intervals and acknowledgement arrangements.
- d) Describe procedures for data-feed outages, degraded coverage, system failure, false positives and missed-event investigation and continuous improvement.
- e) Explain how nominated users can be incorporated into authorised notification and coordination workflows with appropriate role-based access levels, noting that all access permissions and liaison arrangements remain subject to approval by INGL.

Suppliers should clearly distinguish between automated detection, supplier analyst intervention and actions retained by INGL or its appointed representatives.

Service level expectations

Suppliers are requested to propose practical and measurable service levels that they can achieve in an operational environment. Suppliers shall identify all relevant assumptions and dependencies and, where possible, provide supporting evidence of current performance. The parameters below are intended to assess market capability and inform development of future contractual service levels.

Service parameter	Market response requested	Supplier proposal
Service availability	Monthly availability, treatment of planned maintenance and exclusions. Note: <i>Monthly Availability of not less than 99.9% during each calendar month is expected.</i>	
AIS-feed availability	Monthly availability, treatment of planned maintenance and exclusions.	

AIS data frequency/resolution	Confirm frequency of data queries, analysis and data storage resolution.	
Alert notification	Target time from rule trigger to notification, by severity and service model.	
Support response	Response and restoration targets for critical, high and routine incidents.	
Data retention	Online track, alert and audit-log retention, archive options and export on contract exit.	
Reporting	Immediate event reports plus daily, weekly and/or monthly operational reporting.	

Service duration and scalability

For pricing and planning purposes, suppliers should assume an initial twelve-month operational service, preceded by configuration, testing and training. The initial protection requirement is the 42 km long AAP corridor, which connects Ashdod to Ashkelon in water depths less than 40 m.

Responses should provide extension options for extended periods and explain how the service is ready to scale to additional routes, corridors, users, alert rules or supplementary data sources.

Data, technology and integration

Data feeds and analytics

Suppliers must identify the marine data feeds used, whether the supplier is the data owner or a licensee, and any restrictions on display, storage, onward sharing, evidence use and retention. Responses should provide measured or supportable information applicable to operation in Israel. Suppliers should explain the methodology used to infer possible anchoring or interaction threats, including inputs, configurable thresholds, confidence scoring, validation evidence, expected false-positive rates and known limitations.

Interfaces and interoperability

Suppliers should provide information on:

- User interface options, including web browser and mobile access options.
- Browser compatibility, supported operating systems, and any known limitations.
- Email, SMS, application, API and webhook alerting capabilities.
- Data import/export formats for corridor geometry, tracks, alerts, reports and audit records.
- Options to integrate with third-party systems.
- Time-zone handling, with UTC as the base case and Israel local time as a display option.

- g) The default reporting language shall be English. Suppliers shall describe any available capability to support additional or configurable reporting languages, including Hebrew.

Cyber security, privacy and data governance

Responses should describe the proposed hosting model and locations, data residency, tenant segregation, encryption, access control, multifactor authentication (MFA), logging, vulnerability management, backup and recovery, incident notification, secure development practices, subcontractors and independent assurance or certifications. Suppliers should identify any personal data processed and the proposed controller/processor roles.

Implementation and support

Implementation

Suppliers shall provide a feasible implementation plan from award through to operational acceptance. The plan should identify any dependencies, information required from INGL, corridor configuration, connectivity, account setup, alert-rule workshops, sandbox testing, training and commencement of live monitoring.

Indicative stage	Minimum expected activity	Supplier to propose
Mobilisation	Kick-off, roles, security and data requirements, detailed schedule.	Lead time and dependencies
Configuration	Load route/corridor geometry, users, rules, severity and notifications.	Duration and required inputs
Verification	Coverage check, rule testing, alert delivery, failover and reporting tests.	Test method and acceptance evidence
Training	Administrator and operator training; concise operating guidance.	Delivery mode and materials
Go-live	Controlled transition from a fully operator-led AIS surveillance to a hybrid solution incorporating the automated service.	Hypercare and business-as-usual support proposals

Local capability and support

Suppliers shall describe their capability to deliver and support the service in Israel, including:

- a) The availability of local personnel or delivery partners.
- b) The provision of essential English-language support with Hebrew-language supplementary support as an option.
- c) Familiarity with local maritime operations and operating conditions.
- d) The ability to provide support on a 24/7 basis, if required by INGL.

- e) Experience coordinating with infrastructure operators, government bodies and other public authorities.

Where delivery relies on an international service centre, the response should explain how local coverage and escalation will be assured.

Training and documentation

Suppliers should provide information on how the following aspects shall be delivered:

- a) Training and technical support for service users.
- b) Tailoring of alert handling and escalation procedures to INGL requirements.
- c) Upgrade and bug-fix release notes and planned maintenance communications.

Appendix B – Response form