

## **Safety, Operation and Storage challenges**

### **Request for Information**

Energy Infrastructures Ltd. (hereinafter referred to as: the “**Company**”) hereby submits this Request for Information only to explore potential research and development alternatives, as described hereinafter:

#### **1. Background**

- 1.1. The Company is a government company, responsible for maintaining the energy continuity, stability and independence of the State of Israel in routine time as well as in emergency situations.
- 1.2. The Company is engaged in the distribution and storage of crude oil fuel and liquid crude oil distillates of all kinds. The company's offices are located at 3 Hasadnaot Street, Herzliya Pituach, Israel.
- 1.3. The Company's activity covers a wide range of services in the fuel economy: offshore services for import and export, storage, transmission, and supply of fuels, mainly distillates, throughout the country; handling crude oil products and distillates, and dispensing to tank vessels and road tankers.
- 1.4. The company is expanding its activities, as part of its responsibility to maintain continuity and energy security, to storage, transmission, and production of renewable energies.

#### **2. Description of the Challenge for which the Solution is Required**

The company wishes to test technologies in performed operations at the its core activities as well as in the fields of energy storage.

##### **2.1. Challenge #1: Creating a secure and adaptable zone underneath elevated heavy equipment to ensure safety**

- 2.1.1. Elevating heavy equipment to significant heights presents a challenge in maintaining a completely sealed safety zone, and ensuring worker safety is reliant upon following



established safety protocols. Additionally, the sterile field does not adjust to changes in the object's size, swing height, or landscape movement.

2.1.2. The company seeks a technological solution to establish a sealed-off area with clear markings and warnings, thereby reducing the likelihood of human error.

## **2.2. Challenge #2: Inspection of Piping Integrity for Fuel Transportation within the Company's Facilities**

2.2.1. Energy Infrastructures has an underground fuel pipeline network within its facilities that is branched and winding.

2.2.2. The company is seeking a non-invasive technology that can scan the complex pipeline network without the need for excavation or interruption of regular operations, at a minimal cost and without requiring extensive mechanical adjustments.

2.2.3. The desired technology should be capable of detecting common faults in the pipeline's condition, such as external and internal corrosion, as well as predicting or measuring the thickness of the pipe's wall.

## **2.3. Challenge #3: Locating a Technologically Advanced Solution for Long-Term Energy Storage**

2.3.1. The company has unoccupied spaces within its facilities, scattered throughout various locations across the country. The company is interested in exploring unique and innovative technological proposals for long-term energy storage, which will allow maintaining the energy continuity and stability of the State of Israel.

**Responses may be submitted to one or more of the above challenges, there is no obligation to respond to all three challenges.**

### **3. Basic requirements**

3.1. For Challenge 1, participants may suggest solutions that require development or existing solutions that can be adapted to meet the Company's specific needs.

3.2. For Challenge 2, It is preferred that the proposed solutions be implementable immediately or have a direct or indirect connection with the fuel industry. The solutions must comply with regulatory



requirements, guidelines, and relevant standards, although **regulatory approvals are not currently mandatory**. Priority will be given to solutions that already have existing certificates..

- 3.3. For Challenge 3, participants can offer solutions that are in the development process or offer a co-development initiative.

#### **4. Description of the Process**

- 4.1. The submissions will be evaluated by the innovation and business development department and professional teams within the Company.
- 4.2. Participants whose submissions are selected for further review will be invited to a meeting with Company representatives to present their technology.
- 4.3. The Company representatives will select the proposals from the submissions that qualify for a demonstration of the proposed technology.
- 4.4. Startup companies may consider submitting their experiments as pilots to the Innovation Authority as part of a government company's pilot program.
- 4.5. Participants selected by the Company to conduct a demonstration, which fail to receive approval from the Innovation Authority, will be entitled to expenses' reimbursement, at the Company's discretion.
- 4.6. A participant who chooses to conduct a demonstration will be required to submit Appendix B prior to performing the demonstration.

#### **5. Company Rights**

- 5.1. This request is for information as well for a feasibility and profitability study only, it is not a quotation request, a contracting order, or an invitation to bid, and it is not a tender or any other binding procedure.
- 5.2. The request and its results do not bind the Company and/or anyone on its behalf, and they do not create any legal relationship between the Company and any of the participants, beyond the obligation of the participants to include truthful statements in the responses on their behalf.
- 5.3. The Company does not guarantee that a future tender will be published on the subject and/or that the solutions offered as part of this procedure will be used.



- 5.4. Participation in this procedure does not give the participants any advantage in any other procedure that the company will conduct in this matter (if it takes place), other than the possibility of influencing (actually proposing the solution in this procedure only) the Company's professional decisions on the subject.
- 5.5. Participation in this procedure does not guarantee the participant's compliance with the threshold conditions to be determined in a future procedure, insofar as it is published.
- 5.6. If the Company decides to publish such a tender and/or competitive procedure, it will be entitled to demand in the tender / competitive procedure services that are different from those presented in this request, and it will be entitled to impose additional or different conditions than those presented in this request, at its discretion.
- 5.7. Depending on the information received in this procedure, the Company may, at its sole discretion, request clarifications, completions, or additional information from the participants, in whole or in part, on any subject related to this request, including presentations and demonstrations, piloting, POC field trials and capabilities test, visiting customer and supplier sites, as well as invite the participants to discuss the application, all as it deems suitable. It is hereby clarified that the Company is not obligated to contact all the participants as stated.
- 5.8. The company maintains its right to find solutions to the challenge in more ways, in addition to and beyond this procedure, and the participant will have no claim for that.
- 5.9. Expenses for the participation in the procedure will be charged in full to the participants only, and they will not be entitled to any refund or monetary compensation in respect thereof, regardless of the results of the procedure.
- 5.10. The Company may revoke or change this request at any stage for any reason.

## **6. Participants Response Document**

- 6.1. A participant wishing to take part in this procedure is requested to submit a response on his behalf in accordance with the requirements set out in this document. Each participant in this process declares that he agrees that the company may make use of the information provided by him, in whole or in part, for the purposes of preparing a tender or for any other need it deems appropriate.
- 6.2. The response documents are public, and the Company may make any use of them by law.
- 6.3. The Company and/or anyone on its behalf may use the information received, without consideration, for any necessary purpose, at the Company's sole discretion, including for the purpose of writing



future specifications or formulating requirements and/or analyzing the information through the Company's employees and/or consultants and/or any other factor.

- 6.4. Notwithstanding the foregoing, if a participant is aware that a particular document contains a trade secret that may not be disclosed to third parties, it must be stated clearly and explicitly in the response documents. It is hereby clarified that such a statement may not make it possible to review the response as required and/or make future use of it in the context of a public procedure. It is hereby clarified that the participants may submit documents and references in which they have blacked out details that are not relevant to this application. In any case, the final decision in this matter is that of the Company.
- 6.5. A participant submitting information in response to this request declares that he waives in advance any claim, demand, request, including in the matter of intellectual property against the company and/or anyone on its behalf, in respect of the information, in whole or in part, provided by the participant in the procedure.
- 6.6. A participant submitting information in response to this request undertakes that as part of the information he submitted and/or any use he makes of it, no rights, including copyrights or trade secrets of a third party, will be infringed. The participant alone will be responsible for any claim and/or claim arising from the claim that such third-party rights have been violated, and he will indemnify the Company immediately upon receipt of a claim in respect of any amount required and/or demanded to be paid due to a claim or demand as detailed above, including expenses and attorney's fees.
- 6.7. The Company does not undertake to examine all the material submitted to it, or to inform the participants what use it has made of this material, if any.

## **7. Response Submission**

- 7.1. The response shall include information and documents regarding professional solutions to the problem presented in this procedure.
- 7.2. The response shall include the following documents and information related to the participant:
  - 7.2.1. Appendix A completed including the experiment description and its budget.
  - 7.2.2. Participant's profile, including experience and recommendations if and as available.
  - 7.2.3. Any additional information or document relevant to the matter.



## 8. General

- 8.1. Responses must be submitted by email [innovation@pei.co.il](mailto:innovation@pei.co.il), no later than **May 25<sup>th</sup>, 2023**
- 8.2. Q&A Webinar (not obligatory) will be held on **May 7<sup>th</sup>, 2023**, location: Zoom meeting.
- 8.3. Participants who wish to participate in the webinar are asked to notify it in advance at [innovation@pei.co.il](mailto:innovation@pei.co.il) with contact details, in order to allow appropriate assessments, send a link to the webinar and the possibility of notifying any date change.
- 8.4. Clarification requests can be sent as a word file format, no later than **May 11<sup>th</sup>, 2023, at 12pm**, to email [innovation@pei.co.il](mailto:innovation@pei.co.il).

section	Clarification requests	Answer

Respectfully,

**Yael Preminger**  
**Head of Innovation and**  
**Business Development Department**



**Appendix A - Participant's details**  
**Safety, Operation and Storage challenges**  
**Request for Information**

**Company / entrepreneur Details**

Participant's / Company's name: \_\_\_\_\_

Years of company's activity: \_\_\_\_\_

City: \_\_\_\_\_ Country: \_\_\_\_\_

Tel: \_\_\_\_\_ Company Website: \_\_\_\_\_

Company's Description and Activity: \_\_\_\_\_

\_\_\_\_\_

You may attach a link to a video on YouTube or on the company website

**Contact details:**

Name of Contact Person: \_\_\_\_\_

Role: \_\_\_\_\_ Mobile: \_\_\_\_\_

Email: \_\_\_\_\_

**The Proposed solution:**

Proposal's Brief: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Main technologies on which the proposal is based: \_\_\_\_\_

\_\_\_\_\_

Has the solution / technology been tested? Does it have a POC? \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Main advantages of the proposed solution: \_\_\_\_\_

\_\_\_\_\_

Detailed experiment planning including required area coverage and budget: (please attach an Excel file)

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Additional information or needs required from Energy Infrastructures for the implementation of the

solution: \_\_\_\_\_





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The required information, files detailed in section 7 of the guidelines, should be sent to email:  
[innovation@pei.co.il](mailto:innovation@pei.co.il) (PDF files only with a limit of up to 12MB)





**Appendix B – Detailed Proposed Solution**  
**Safety, Operation and Storage challenges**  
**Request for Information**

**[Not necessary to submit with the first response, it should be submitted after being selected for demonstration as specified in section 4.6]**

A participant who will be chosen for demonstration as specified in section 4 of the RFI, will attach additional documents and information regarding the proposed solution, as follows:

Name of participant / company: \_\_\_\_\_

Engineering / technological description of the proposed solution according to the requirements and the description of the situation described in the Request for Information:

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Professional documents and specifications regarding the proposed solution. The following documents are attached:

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Additional advantages of the proposed solution in comparison to other solutions:

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