



Israel Railways Ltd.
Procurement & Contracting Division

Request for Information (RFI)

Concerning “Automated Robotic Parking Facility for Micro-Mobility Vehicles”

July, 2026



Request for Information ("RFI")

"Automated Robotic Parking Facility for Micro-Mobility Vehicles"

1. Introduction

Israel Railways Ltd. ("ISR") requests information and an overall analysis regarding options of "Automated Robotic Parking Facility for Micro-Mobility Vehicles" (the "**Project**"), in order to examine the variety of types available which meets ISR's technical and operational requirements and needs, all as generally defined in **Appendix A** attached hereto (the "**Technical Attachment**") and as further described below.

2. Objective of RFI

- 2.1. The objective of this RFI is to enable ISR to explore the option of acquiring Automated Robotic Parking Facility for Micro-Mobility Vehicles by receiving information from potential manufactures and suppliers ("**Respondent**" and/or "**Respondents**").
- 2.2. This RFI is not to be considered as a request for proposals, nor as a tender and the provisions of neither the Israeli *Mandatory Tenders Law* 5752-1992, nor the Government Procurement Agreement shall apply hereto.
- 2.3. Notwithstanding the aforesaid, ISR may, as a result of this RFI, at its sole and absolute discretion, approach one or more of the Respondents to this RFI and/or to any other party, in order to obtain additional information.
- 2.4. Notwithstanding the aforesaid, ISR may, as a result of this RFI, at its sole and absolute discretion, conduct an additional procedure, *inter alia*, tender procedure, and may use, at its sole discretion, any of the information provided in this RFI.



2.5. This RFI shall not, under any circumstance, constitute any commitment on ISR's part to negotiate with any or all interested parties, nor to enter into any agreement for provisions of the services.

3. Response

3.1. The Respondent is invited to submit ISR data and any technical and commercial information regarding the Project.

3.2. The information should be delivered in accordance with the Technical Requirements specified in **Appendix A**.

4. Language of Response

Responses shall be in Hebrew or in English only.

5. Submission of a Response

Responses are to be submitted by following email address: liors7@rail.co.il , to the attention of Ms. Li Or Shmayovich, no later than **September 10, 2026**, or by the Electronic Box in the Sourcingvision system of "Mashik Ltd.", as described below:

5.1. Submission by Sourcingvision system of Mashik Ltd.

RFI Documents are available via ISR's website: rail.co.il or via the Electronic Box in the Sourcingvision system of "Mashik Ltd.", at the following address: <https://account.sourcingvision.com//Site/SelfSignIn/SelfSignInGetStarted.aspx?IsNoSummonProject=1&IsSealed=1&IsArchived=0&dup&x=r9a%2bc5tUQgNtJIUEPGHvBA%3d%3d> , after completing the registration process. The Respondent's registration will be carried out through the link available at Sourcingvision' system.

5.2. Submission of Responses



- 5.2.1. All Responses must be submitted to the e-mail mentioned above liors7@rail.co.il , or to the Electronic Box of Israel Railways at the Sourcingvision system, starting **September 8, 2026, 08:00 (Israel Time) until September 10, 2026, 23:59 (Israel time)** (the "**Final Submission Date**"). After this deadline, it will not be possible to submit Responses to the Electronic Box.
- 5.2.2. Respondents are advised to enter the electronic system in advance and perform all necessary preparations to ensure that the Responses are submitted on time and to avoid delays due to various technical issues.
- 5.2.3. The clock of the Electronic Box is the official clock for the submission deadlines in this RFI.
- 5.2.4. It is hereby emphasized that it is the Respondent's responsibility to ensure that the forms that were scanned and uploaded to the system are legible and clear.
- 5.2.5. It is recommended that the Respondent shall retain a copy of the Response submitted to the Electronic Box.
- 5.2.6. For any technical assistance regarding the use of the Electronic Box system, the Respondent may contact the support representatives of Mashik Ltd. by email at: service@mashiktech.com, or by phone at +972-50-9029376, from Sunday to Thursday between 08:00 and 17:00 Israel Time (excluding holiday eves and holidays).



5.2.7. The Respondent's Response shall include the following documents:

5.2.7.1. A signed and complete copy of the Technical Requirements (**Appendix A**);

5.2.7.2. Respondent General Information (**Appendix B**).

5.2.7.3. Any other relevant information requested under this RFI

6. Request for Clarification and/or Additional Information

- 6.1. Any Respondent may submit to ISR, in writing, inquiries and/or requests for clarification and/or additional information regarding the RFI or relating to the RFI Documents, as specified herein below (a "**Request for Clarification**").
- 6.2. A Request for Clarification shall clearly specify to which RFI Documents it refers.
- 6.3. Respondent shall submit Requests for Clarification with respect to any errors, ambiguities, inconsistencies, omissions, erroneous, unclear or imperfect provisions ("**Errors**") in the RFI Documents. It is clarified that by submitting its Responses, Respondent irrevocably and unconditionally waives any claim, demand or legal or administrative proceeding alleging or claiming that the selection process in the RFI has been influenced or based by an Error and/or that Respondent has suffered any damages as a result of such Error.
- 6.4. All Requests for Clarification relating to the RFI shall be submitted in English by the Electronic Box of ISR in the Sourcingvision system **or** by e-mail to: liors7@rail.co.il .



7. General

- 7.1. This RFI shall not be construed under any circumstances as a pre-requisite or pre-qualification procedure.
- 7.2. This RFI is merely for the purpose of obtaining any relevant information for consideration purposes only, and ISR shall not be construed as having taken any commitment to procure such service nor to publish any tenders or any other further procedure.
- 7.3. Participation in this RFI does not and shall not provide a Respondent or any other entity with any advantage, nor shall it confer upon a Respondent any right with respect to the solution (or any component or part thereof) or any future proceedings conducted with respect thereto (if any), including with respect to any pre-qualification process and/or tender process.
- 7.4. ISR may, as a result of this RFI, approach, at its sole discretion, one or more of the Respondents and/or any other party, in order to obtain additional information, commercial proposals and/or to conduct negotiations with respect to the technical and/or commercial terms, and enter into a contractual relationship with one and/or more Respondents or any other party it finds suitable to conduct any other procedure it deems necessary.
- 7.5. It is hereby clarified that ISR shall not be obligated to engage in any contract on the basis of this RFI and that any information presented and/or submitted to ISR through this RFI is provided voluntarily. ISR shall not be charged in any manner for the submission of information in accordance with this procedure and every Respondent shall bear its own costs with respect to this RFI.



- 7.6. Moreover, to preclude any doubt, it is emphasized that ISR shall have the right to reject, in whole or in part, any opinion, conclusion or information delivered to it through this RFI. ISR shall also have the right to use the information presented and/or submitted to it for the purpose of planning and preparing a tender or any other procedure, should ISR decide to implement one.
- 7.7. ISR may at its sole discretion, request from any of the Respondents, additional information, details, approvals, recommendations and/or certificates, as required by ISR.
- 7.8. ISR may ignore any Response which lacks information or has submitted unclear details.
- 7.9. ISR shall not be bound to accept and/or consider any Response, and it does not undertake herein any commitment whatsoever towards any of the interested parties.
- 7.10. ISR reserves the right, at any time and at its sole discretion, to amend this RFI or any aspect thereof, as well as to extend the date for submittal of the Responses. In addition, ISR reserves the right to cancel this RFI in its entirety at its sole discretion, without providing the Respondent(s) any (or no) reason or explanation.
- 7.11. This RFI process is undertaken by ISR for the purpose of receiving data and information, and it does not create any obligation on ISR's part to commence, continue or complete any purchase procedure and/or to act in any other method of

acquisition, and ISR shall act at its sole and absolute discretion in this respect.



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- 7.12. ISR reserves the right to accept, in future stages, information and/or any commercial proposals from entities which did not participate in this RFI process, as ISR shall deem fit.



Appendix A

Technical Requirements for

“Automated Robotic Parking Facility for Micro-Mobility Vehicles”

1. Subject

Request for technical and financial information regarding an automated robotic parking facility intended for the storage, retrieval, charging, and monitoring of micro-mobility vehicles, including electric bicycles, scooters, and similar lightweight personal transportation vehicles.

2. Introduction

ISR wishes to examine available technological solutions for the deployment of automated robotic parking facilities for micro-mobility vehicles such as bicycles, scooters, hoverboards, and similar devices.

The purpose of this document is to define the operational, technical, safety, and integration requirements for such solutions, and to request technical and commercial information from potential suppliers.

The proposed solution is intended to assist and support ISR's passengers by enabling secure, convenient, and rapid storage of their micro-mobility vehicles before and after train travel.

ISR prefers proven and mature off-the-shelf solutions with minimal "tailor made" special adaptations for micro-mobility vehicles.

3. Definitions

Micro-Mobility Vehicle – Electric scooter, electric bicycle, conventional bicycle, or similar lightweight personal transportation vehicle.

Facility – The complete robotic parking system, including all mechanical, electrical, software, and safety systems required for "turn key" operational robotic parking

Docking Cell – Dedicated storage location assigned to a specific vehicle inside the machine

Solar System – Alternative power source based on solar energy used to operate the facility in place of or in addition to a conventional power supply by electric cables



User Interface (UI) – Human-machine interface used by customers, operators, and maintenance personnel.

Operation Time – The time required to deliver the stored vehicle to the user pickup area and vice versa.

Charging Interface – Electrical interface used for charging electric vehicles during storage.

Operator – Authorized entity responsible for operation, supervision, and maintenance of the facility.

Availability – Percentage of operational uptime of the facility excluding planned maintenance windows.

Israel Railways – Israel Railways company Ltd.

4. General Requirements

4.1 General Facility Requirements

4.1.1 The Facility shall provide fully automated robotic storage and retrieval of micro-mobility vehicles.

4.1.2 The Facility shall support electric bicycles, electric scooters, conventional bicycles, and any micro-mobility vehicle whose physical dimensions do not exceed those of an electric bicycle.

4.1.3 The Facility shall be designed for intensive public use in an urban environment.

4.1.4 The Facility shall optimize land usage while creating maximum parking capacity within minimal space.

4.1.5 The Facility shall support both underground concealed configurations and above-ground visible configurations.

4.1.6 The Facility shall include mechanisms preventing unauthorized access, theft, vandalism, etc.

4.1.7 The Facility and all its components shall comply with all relevant local standards regarding safety, electricity, fire detection, and fire suppression.



4.1.8 The Respondent shall provide a complete turnkey solution including mechanical systems, electrical infrastructure, software, control systems, and user interfaces.

4.1.9 The Facility shall allow future modular expansion of parking capacity.

4.1.10 The Facility shall comply with ISR's cybersecurity requirements and integrate with public transportation systems such as Rav-Kav, MOOVIT, etc.

4.1.11 The solution shall be based as much as possible on proven products with operational references.

4.1.13 The Respondent shall detail all required infrastructure connections including electricity, communications, drainage, and ventilation.

4.1.14 The Facility shall include integrated monitoring and diagnostic capabilities.

4.1.15 The design of the Facility shall support accessibility requirements for persons with certain disabilities such as visual contrast enhanced hearing aids etc.

5. Safety Requirements

5.1 Operational Safety

5.1.1 The Facility shall be completely safe for public operation and include multiple safety and operational protection layers which will be detailed specifically by the supplier.

5.1.2 The Facility shall prevent user access to moving robotic components during operation.

5.1.3 The Facility shall include a detection and alert system for any living organism within the Facility boundaries.

5.1.4 Multiple emergency stop mechanisms shall be installed and accessible in accordance with relevant standards.

5.1.5 The Facility shall include fire detection and suppression interfaces according to local authority requirements and regulations.

5.1.6 The Facility shall support safe handling and charging of lithium-ion batteries.

5.1.7 The Facility shall include overload detection and abnormal position detection.



5.1.8 The Facility shall support controlled recovery processes following power outages or emergency shutdowns.

5.1.9 Safety-critical functions shall be continuously monitored and documented.

6. Technical Requirements

6.1 Capacity and Dimensions

6.1.1 Respondent shall specify the vehicles capacity supported in each installation configuration and it's ratio between physical size and capacity.

6.1.2 The Facility shall support mixed storage of different types of micro-mobility vehicles, potentially with varying physical dimensions.

6.1.3 Respondent shall specify supported vehicle dimensions and maximum weight allowed.

6.1.4 The Facility shall support, as much as possible, at least 10% oversized (over XL frame and 27.5" rim Diameter) electric bicycles.

6.2 Robotic Operation

6.2.1 Vehicle storage and retrieval shall be fully automated.

6.2.2 Average retrieval time shall not exceed 20 seconds under normal operating conditions.

6.2.3 The Facility shall include a minimum of two deposit/retrieval interfaces per Facility in order to reduce user queues.

6.2.4 The Facility shall support simultaneous storage and retrieval operations.

6.2.5 The robotic mechanism shall include automatic positioning verification and a smart algorithm aiming to optimize storage for minimal "Machine-Client dialog" and operation times.

6.2.6 The Facility shall minimize the risk of damage to stored vehicles as much as possible.

6.2.7 The Facility shall support automatic recovery following temporary communication and/or power supply malfunctions.

6.3 Charging Requirements

6.3.1 The Facility shall support charging of electric bicycles and scooters.



6.3.2 Respondent shall specify charging standards, charging power, and supported connector types.

6.3.3 Charging status shall be monitored and visible to operators and customers through a dedicated phone application.

6.3.4 Charging infrastructure shall include electrical protection mechanisms.

6.3.5 The Facility shall support monitoring of energy consumption segmented by vehicle type.

6.4 Environmental Conditions

6.4.1 The Facility shall support operation in ambient temperatures between -10°C and +50°C.

6.4.2 The Facility shall be protected against rain and dust to at least IP65 rating and support outdoor operation including rain, dust, and humidity times.

6.4.3 All exposed components shall include corrosion protection.

6.4.4 The Facility's environment shall be filmed and recorded by High Definition CCTV cameras array

6.5 Electricity and Communications

6.5.1 The Facility shall operate on Israeli electrical infrastructure standards.

6.5.2 The Facility shall support remote monitoring through secure communication interfaces.

6.5.3 The Facility shall support operation via wired and/or cellular communication networks.

6.5.4 The Facility shall include electrical backup for controlled shutdown and emergency retrievals.

6.5.5 The Facility shall support operation via solar energy or conventional electricity supply.



7. Software and User Interface Requirements

7.1 User Interface

7.1.1 The Facility shall include a user-friendly interface for vehicle deposit and retrieval.

7.1.2 The interface shall support Hebrew, English, and Arabic.

7.1.3 The Facility shall support user identification methods such as QR codes, smart cards, facial recognition, mobile applications, or contactless identification.

7.1.4 The Facility shall display clear operational indicators and fault alerts.

7.1.5 The Facility shall be capable of “learning” user behavior patterns and to optimize service and interface performance accordingly, for example by reducing retrieval and interaction times as usage frequency increases.

7.2 Management System

7.2.1 The Facility shall include a web-based operator interface.

7.2.2 Operators shall be able to monitor occupancy, alarms, charging status, and operational statistics.

7.2.3 The Facility shall support generation of hourly operational and maintenance reports and logs.

7.2.4 The software architecture shall support remote diagnostics and software updates.

7.2.5 The Facility shall provide open APIs (Application Programming Interface) for integration with external systems.

7.2.6 The Facility shall include voice indications for all actions required from people around the Facility, including customers, passersby, and suspects as harmful persons.

7.3 Integration

7.3.1 The Facility shall support integration with smart city platforms and public transportation systems.

7.3.2 The Facility shall support integration with payment systems and subscription management systems.



7.3.3 The Facility shall support integration with mobile applications.

8. Reliability and Maintenance

8.1 The Facility shall be designed for high operational availability.

8.2 Respondent shall specify expected availability levels.

8.3 Preventive maintenance requirements shall be defined.

8.4 The Facility shall support fault diagnostics and predictive maintenance capabilities.

8.5 Respondent shall specify spare parts strategy and component life expectancy.

8.6 Maintenance activities shall minimize service interruptions as much as possible.

9. Cybersecurity Requirements

9.1 The system shall include cybersecurity protections appropriate for connected public infrastructure. Respondent shall also specify compliance with relevant cybersecurity standards and best practices.

9.2 Communication channels shall be secure and encrypted.

9.3 User information and operational data shall be protected against unauthorized access.

10. Information Requested from Respondent

10.1 Detailed technical description of the proposed solution.

10.2 Architecture drawings and deployment examples.

10.3 Operational references and experience in previous projects.

10.4 Minimum and recommended system capacity.

10.5 Retrieval performance data, including average, minimum, and maximum vehicle retrieval times under different operating conditions.

10.6 Power consumption data and charging specifications.

10.7 Safety approvals and declarations of compliance with standards.



10.8 Maintenance requirements and expected lifespan.

10.9 Preliminary pricing information including installation, operation, and maintenance.

10.10 Estimated delivery and implementation schedules.

10.11 Warranty conditions and after-sales support model.

11. Standards and Compliance

The proposed solution shall comply, where relevant, with international and local standards, including:

- Relevant Israeli regulations.
- Electrical safety standards.
- Fire safety standards.
- Machinery safety standards.
- Accessibility requirements.
- Cybersecurity best practices.

12. Response Format

The response shall be submitted in English and/or Hebrew, in both editable digital format and PDF format. The response shall include:

- Executive summary.
- Technical compliance
- System description.
- Drawings and illustrations.
- Short installation and operation videos
- Reference projects.
- Commercial information.
- Project schedules.
- Assumptions and exclusions.



Appendix B

“Automated Robotic Parking Facility for Micro-Mobility Vehicles”

Respondents are requested to submit the following information:

A	General Information Concerning the Respondent (Table I)		
A1	Respondent name (Company's name)		
A2	Respondent address/location		
A3	Respondent contact person		
A4	Contact person	Telephone No:	E-Mail:
A5	Respondent main fields of expertise		
A6	Respondent professional certifications (Such as ISO 9001:2008/2015, IRIS, etc.)		
A7	Exemplary main customers		