

**Delivery of components for the Mobile Robot Cloud Edge System – delivery of an autonomous and fully programmable humanoid robot**

*Procurement ID no.K/2025/281125/13*

*“Nākamās paaudzes mikrorazotnes”, Nr.5.1.1.2.i.0/4/24/A/CFLA/003*

**1. Finansējuma saņēmējs - Pasūtītājs/Beneficiary of financing - Contracting Authority**

|                                                       |                                                                                           |
|-------------------------------------------------------|-------------------------------------------------------------------------------------------|
| Nosaukums/ <i>Name</i>                                | SIA Aspired                                                                               |
| Vienotais reģ. Nr./ <i>Registration number</i>        | 41203045860                                                                               |
| Juridiskā adrese/ <i>Legal address</i>                | Ganību iela 99, Ventspils, Latvija, LV–3601                                               |
| Kontaktpersona/ <i>Contact person (contact point)</i> | Toms Vācietis, tālruņa numurs: +371 29476782,<br>e–pasta adrese: toms.vacietis@aspired.lv |

**2. Informācija par priekšmetu/Subject of procurement**

|                                                                            |                                                                                                                                                                                                                                                   |
|----------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Iepirkuma nosaukums/ <i>Title of procurement</i>                           | Komponenšu piegāde Mobilo robotu mākoņmalas sistēmai – autonoma programmējama humanoīda robota piegāde/<br><b>Delivery of components for the Mobile Robot Cloud Edge System – delivery of an autonomous and fully programmable humanoid robot</b> |
| Iepirkuma identifikācijas numurs/ <i>Procurement identification number</i> | K/2025/281125/13                                                                                                                                                                                                                                  |
| Iepirkuma priekšmets/ <i>Description of the subject of procurement</i>     | Viena autonoma programmējama humanoīda robota piegāde industriālu uzdevumu risinājumiem (turpmāk – Piegādes)/<br>Delivery of one autonomous and fully programmable humanoid robot (hereinafter – Deliveries)                                      |
| Piegādes laiks                                                             | Ne vēlāk kā 10 (desmit) kalendāra nedēļu laikā no līguma noslēgšanas brīža./<br>No later than 10 (ten) calendar weeks from the date of conclusion of the contract.                                                                                |

### 3. Piedāvājuma iesniegšana/*Submission of offer*

|      |                                                                                                                                                                                                                                                                          |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 3.1. | <b>Procurement proposals, together with duly completed technical and financial offer forms as set out in this document, shall be submitted electronically to info@aspired.lv</b>                                                                                         |
| 3.2. | The tender proposals will be opened in the order in which they were submitted. If two or more bids offer the same price, the contract will be awarded to the bid submitted first.                                                                                        |
| 3.3. | The tenderer has the right to amend or withdraw its procurement proposal until the deadline for submitting bids.                                                                                                                                                         |
| 3.4. | The tenderer shall cover all expenses related to the preparation and submission of the procurement proposal. The contracting authority is not responsible for, does not cover or compensate for these expenses, regardless of the course and outcome of the procurement. |

### 4. Tehniskās specifikācijas/*Technical specifications of Subject of Procurement*

| # | <i>Characteristic</i>                               | <i>Requirement</i>                                                                                                                                                        | <i>Technical Proposal<br/>(fill in “yes”<br/>or specific<br/>technical<br/>parameter if<br/>applicable)</i> |
|---|-----------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|
| 1 | Key dimensions                                      | Total height not less than 1500mm                                                                                                                                         |                                                                                                             |
| 2 | Degrees of Freedom (DOF) of each leg                | Not less than 7                                                                                                                                                           |                                                                                                             |
| 3 | Degrees of Freedom (DOF) of each arm                | Not less than 5                                                                                                                                                           |                                                                                                             |
| 4 | Type of arms                                        | Dexterous arms suitable for industrial manipulation tasks: (1) force controlled three-fingered dexterous hand (left) (2) multi-joint five-fingered dexterous hand (right) |                                                                                                             |
| 5 | Number of arms                                      | 2 arms                                                                                                                                                                    |                                                                                                             |
| 6 | Weight that can be lifted with one hand in movement | Not less than 5 kg                                                                                                                                                        |                                                                                                             |

|    |                                     |                                                                                                                                                                                                                                                                                                     |  |
|----|-------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| 7  | Total weight                        | Total mass not more than 100 kg                                                                                                                                                                                                                                                                     |  |
| 8  | Computing power                     | <p>Integrated onboard computing with performance equivalent to a modern multi-core processor suitable for</p> <ul style="list-style-type: none"> <li>• real-time robot control,</li> <li>• sensor processing,</li> <li>• and continuous background execution of third-party applications</li> </ul> |  |
| 9  | External compute compatibility      | The system must allow integration of an additional external compute module                                                                                                                                                                                                                          |  |
| 10 | Battery                             | Battery capacity not less than 800 Wh or providing at least 2 hours of operation                                                                                                                                                                                                                    |  |
| 11 | Exchangable batteries included      | Yes, 3 interchangeable (hot-swappable) humanoid robot batteries included                                                                                                                                                                                                                            |  |
| 12 | Dock station included               | Yes, supplier must specify functionality                                                                                                                                                                                                                                                            |  |
| 13 | Sensor                              | 3D lidar with a minimum of 16 channels, depth camera                                                                                                                                                                                                                                                |  |
| 14 | Included in the package             | Protective lift bracket (crane), remote control, fast charger                                                                                                                                                                                                                                       |  |
| 15 | Compatibility                       | 4G, Wi-Fi 6, Bluetooth 5.2 (equivalent or newer)                                                                                                                                                                                                                                                    |  |
| 16 | Communication & I/O interfaces      | <p>Must include at least:</p> <ul style="list-style-type: none"> <li>• ethernet port,</li> <li>• USB-A or USB-C port,</li> <li>• industrial communication bus</li> </ul>                                                                                                                            |  |
| 17 | End-effector integration capability | <p>Both arms must support modular end-effector attachment, including electrical and communication interfaces and mechanical mounts allowing installation of:</p> <ul style="list-style-type: none"> <li>• power gripper,</li> <li>• dexterous multi-finger hand</li> </ul>                          |  |
| 18 | Software                            | Supports ROS integration, OTA software updates, graphical programming interface, voice interaction features, and secondary development capabilities                                                                                                                                                 |  |
| 19 | Safety requirements                 | Robot must include dual emergency stop (on-robot and remote), safe boot / controlled restart, and secure remote access                                                                                                                                                                              |  |

|    |                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |
|----|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| 20 | Mobility performance | Robot must be capable of stable walking at no less than 1.0 m/s, step over obstacles of at least 10 cm, and maintain balance during dynamic tasks                                                                                                                                                                                                                                                                                                                                                                                                |  |
| 21 | Warranty             | No less than 12 months                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |
| 22 | Technical support    | Supplier must describe the provided support procedure                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |
| 23 | Reaction time        | <p>All equipment malfunctions and/or defects be rectified online or real time within no more than 3 working days from the moment they are detected or upon receipt of a notification from the Contracting Authority (the time for rectification of the malfunction and/or defect is calculated from whichever of these moments occurs first).</p> <p>If it is not possible to eliminate the malfunction and/or defect within 3 working days, the Supplier must replace the faulty equipment or component with a functionally equivalent one.</p> |  |
| 24 | Notes                | <p>The technical offer must clearly and unambiguously indicate any operational limitations.</p> <p>(The supplier is entitled to provide information on such limitations either by describing them in this technical offer form or by attaching them as a separate annex to the technical offer.)</p>                                                                                                                                                                                                                                             |  |
| 25 | Other                | Delivery conditions (place, time, etc.): DDP–Ventspils, Latvia (Incoterms2020) to Ganību iela 99, Ventspils, LV–3601, Latvia                                                                                                                                                                                                                                                                                                                                                                                                                     |  |
| 26 |                      | All equipment must be new, unused, delivered functional, ready for operation                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |

| Finanšu piedāvājums/ <i>Financial offer</i>                                                                                            |                                                                               | EUR |
|----------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|-----|
| <b>5</b>                                                                                                                               | <b>The Contract Price, total</b>                                              |     |
| including sub-positions:                                                                                                               |                                                                               |     |
| <i>The list of sub-positions may be expanded at the applicant's discretion if necessary to meet the minimum technical requirements</i> |                                                                               |     |
| 5.1.                                                                                                                                   | force controlled three-fingered dexterous hand (left)                         |     |
| 5.2.                                                                                                                                   | multi-joint five-fingered dexterous hand (right)                              |     |
| 5.3.                                                                                                                                   | battery, 3 units                                                              |     |
| 5.4.                                                                                                                                   | remote                                                                        |     |
| 5.5.                                                                                                                                   | protective bracket                                                            |     |
| 5.6.                                                                                                                                   | 360 Lidar                                                                     |     |
| 5.7.                                                                                                                                   | Depth Camera                                                                  |     |
| 5.8.                                                                                                                                   | Dock station                                                                  |     |
|                                                                                                                                        | ..                                                                            |     |
|                                                                                                                                        | Advance payment requested<br>(not exceeding 30% of the Contract Price, total) |     |

The quotations and prices offered must be fixed for the entire period of execution of the Procurement Agreement and must not be subject to any subsequent recalculations.

The contracting authority has the right to refuse to conclude the agreement within the framework of the procurement, as well as to reduce or increase (from any sub-position equipment, if any is offered) the equipment by 10% of the total contract price in accordance with the items of the financial offer in sub-positions (e.g., if the tenderer offers 2 (two) units of equipment, the Customer has the right to choose to purchase 1 (one) unit of equipment), without changing the unit prices indicated in the tenderer's financial offer.

The Contracting Authority is entitled not later than one day before the end of the specified deadline for submission of procurement proposals to make amendments to the procurement documentation, including attaching additional documents or updating the attached documents, as well as to extend the deadline for submission of procurement proposals, ensuring that the deadline for submission of procurement proposals after the relevant notice has been published on the website of the Procurement Monitoring Bureau is not shorter than five working days.

The Contracting Authority is entitled to negotiate with suppliers.

The Contracting Authority shall select the offer that is most economically advantageous for the Contracting Authority and best satisfies its needs, as well as ensures the effective use of the financing allocated by the contracting authority.

**By issuing this offer tenderer commits to fulfill all requirements of procurement documents.**