

# Partner search/offer

Date (18-01-23)

## (\*) – Mandatory

- (\*) Relevant topic(s) in work programme (code & name of the topic(s) line(s))

<p>Horizon-CL4-2023-RESILIENCE-01-02: Innovative technologies for sustainable and decarbonised extraction  Horizon-CL4-2024-RESILIENCE-01-11: Technologies for extraction and processing of critical raw materials</p>
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- Quick description of the project concept

<p>Describe the</p> <ul style="list-style-type: none"> <li>- Objectives &amp; activities</li> </ul> <p>Zero emission for mining site operation : battery or cable electric, fuel cell H2 energy sources  Safe site operation : people &amp; objects detection and classification, teleoperation of machines  Site operation efficiency through efficient processes &amp; fleet management, machines AI, working cycles automation</p> <ul style="list-style-type: none"> <li>- type of partners already involved and their skills : N/A</li> <li>- partners requested and their skills : mining / raw material extraction companies or quarries owners, digitalisation companies, AI skilled companies</li> </ul>
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- (\*) Description of the expertise requested/proposed (up to 1000 characters)

<p>Expertise proposed : zero emission production machines, new machines concepts &amp; safe site operation  Expertise requested :</p> <ul style="list-style-type: none"> <li>- quarry or extraction / mining site for solutions deployment &amp; testing, and for site operations process optimization</li> <li>- AI &amp; process automation</li> </ul>
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- (\*) Keywords describing the expertise requested/proposed (up to 10 words)

<p>Mining / Extraction / Decarbonization / Automation / Detection / Safety / Teleoperation</p>
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## Organisation information

<p>(*) Organisation and country:  <b>Volvo Construction Equipment – Sweden, Germany, France &amp; South Korea</b></p>
<p>(*) Type of organisation:  <input checked="" type="checkbox"/> Enterprise <input type="checkbox"/> SME <input type="checkbox"/> Academic <input type="checkbox"/> Research institute <input type="checkbox"/> Public Body <input type="checkbox"/> Other: Association</p>
<p>Former participation in FP European projects?  <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p>
<p>Web address: <a href="https://www.volvoce.com/global/en/">https://www.volvoce.com/global/en/</a></p>
<p>Description of the organisation:  <b>Construction Equipment &amp; Services (off-road machinery)</b></p>

## (\*) Contact details

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