



Meehanite Technology Oy

Date:
10.3.2025

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Request for quotation

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Due time of the quotation: 30.4.2025.

Issue: Tender procedure for subcontracting work to Green Casting LIFE project (LIFE21 ENV-FI-101074439) by Meehanite Technology Oy

Subcontracting work: The consultant performs action tasks attributed to him in the grant agreement in WP4.

Work package WP4 – Full scale implementation and validation of the tailor-made inorganic binders in flagship foundries:

- Preparation of the implementation plans for 6 flagship foundries for implementing inorganic binders in ferrous foundries in full-scale production. The detailed implementation plans will include suitable inorganic binders chosen for each flagship foundry based on the tests carried out and the results received so far during the Green Casting LIFE project, investments and process changes needed, among others sand reclamation system recommendations.
- Site visits to 6 flagship foundries for preparing the implementation plans individually (Finland, Estonia, Poland, Spain and Italy). Minimum of one visit in each foundry.
- Telco meetings with flagship foundries and binder system suppliers and partners.
- Preparing the final deliverable of the implementation plans according to the Grant agreement to be published for the Green Casting LIFE project.

Work package WP6 – Piloting at follower pilot foundries and implementation plans:

- Guiding and assisting the partner experts during the project to prepare the implementation plans for other ferrous foundries (15-17 follower foundries) in 2025.



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Others:

- Participating in relevant (especially dealing with WP4, WP5 and WP6) project face-to-face meetings and TEAMS meetings on regular basis (1...2 times per month, ca á 2h) and preparing presentations for the meetings.

Subcontracting costs: Subcontracting costs can be **maximum of 45,200€ (VAT 0%)** (including consultation, reporting and travel costs) according to the grant agreement of Green Casting LIFE project.

Content of the work according to the Grant agreement:

- 1) preparing the individual implementation plans for 6 flagship foundries (WP4):
 - orientation of processes and data gathering/survey (2 days)
 - preparatory negotiations and first draft of the implementation plans (2 days)
 - visit to foundry and presentation of the plan (1 day)
 - modifications and decided equipment and investments included financing the implementation plan (2 days)
 - visit and teleconferences with the foundry during the preparation of the implementation plan for each foundry involved.
- 2) guiding and assisting the partners to prepare implementation plans for 15-17 follower foundries as described in WP6 (sub action T6.3 Inorganic binder implementation plan per each follower foundry).

Cost justification: Special know how of foundry processes and experiences in implementing the inorganic binder in ferrous foundries. Know-how of investment costs and process change calculations are needed to be able to prepare detailed implementation plans. Deep knowledge and experiences in different ferrous foundries, using green sand, phenolic and furan resin binder systems, are needed. Therefore, long international proficiency in expert, R&D and operational management positions in foundries is required from the candidate.

Timetable of the work: 1.5.2025-28.2.2026.

The parties of this contract ensure that LIFE rules are followed:

- Proper implementation and reporting including compliance with call conditions
- Avoiding conflict of interest
- Confidentiality and security obligations are followed
- Give visibility to the EU funding
- Respect specific rules for the action implementation, action tasks are determined in the grant agreement
- Record-keeping of costs

Date and place, 10.3.2025

Markku Tapola
Meehanite Technology Oy
CEO

Sara Tapola
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Coordinator

Meehanite Technology Oy



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GREENCASTING