

Procurement - Ropecutter

The Danish mussel producer, Wittrup Seafood A/S, is partner in the project Baltic Muppets co-financed by EU. In the project Wittrup Seafood are developing a new mussel farming concept, where the mussels are produced on large nets on submerged systems. The mussel farming units is kept approximately 1 m below sea surface by attaching concrete blocks to the lower part of the nets. The upper part of the net is attached to a closed pipe, that keep the net in an upright position in the water column.

Mussel farmers use a lot of time to produce small pieces of rope for attaching the production media to the headline, replacing lines on buoys, and to other types of maintenance. A company as Wittrup Seafood use annually around 400.000 pieces of rope (each with a length of 1-1,5 m). The rope is today produced by using available time, student work, and work by prisoners. The line is cut in the right length and a knot is tied on the rope.

To have a more efficient line production of the rope pieces, an automatic process as a machine should be developed, that cut the robe in the right length, and then tie a knot.

Value of procurement is in total 100.000 EUR

Specification of the equipment

The subcontractor is developing a process and automation to produce rope loops, i.e. cut pieces of rope that are laid double and closed with a half knot (Figure 1). It must be possible to work with a material thickness of 4-14 mm Danline. The automation must have a capacity to produce up to 200 loops per hour. The subcontractor designs a machine, builds a prototype and tests the machine's capacity and the quality of produced loops.



Figure 1. Pictures of loops.

IPR: Intellectual property right to the design

The winning company will have 100% of the IPR to the developed rope-cutter.

Evaluation

The best design according to the specification and price: 40 %

References for similar contracts: 40 %

Time plan for the delivery: 10 %

Organization: 10 %

Questions to the procurement can be forwarded as email to Wittrup Seafood (rasmus@wittrup-seafood.dk) no later than 16st of September 2024 and will be replied no later than 20th of September 2024. All questions and answers will be available on the homepage: www.wittrup-seafood.dk.

Bids should be received no later than 30th of September 2024 at 12:00 AM to

CEO Rasmus Wittrup

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8700 Horsens

or as mail to

Rasmus@wittrup-seafood.dk

Wittrup Seafood will evaluate the offers no later than 4th of October 2024 and will inform all bidding companies about the outcome of the tender, so a contract can be signed no later than the 10th of October 2024.