

29 March 2021

INVITATION TO QUOTE FOR CONSULTANCY SERVICE

In the field: “Next generation of materials for manufacturing of big components in offshore wind energy”

You are invited by Fundación Asturiana de la Energía to quote for the provision of services detailed in this invitation to quote. Your quotation must be received before **23th April 2021** at 12:00. It must include a description of the working plan, a timeline of the proposed actions and the budget. It is the responsibility of all suppliers to ensure that their quotation response is received no later than the appointed time. Fundación Asturiana de la Energía may undertake not to consider quotations received after that time.

Quotations must be submitted via mail to the address C/ Fray Paulino s/n – 33600 Mieres (Asturias) - Spain or via e-mail to the e-mail account faen@faen.es.

Prices quoted shall remain firm for the duration of the contract. Value Added Tax (VAT) should be shown separately.

Specification

About ADMA Energy

Led by Scotland and the Basque Country, the *Vanguard Initiative* pilot project in *Advanced Manufacturing for Energy-Related Applications in Harsh Environments* (ADMA Energy) brings together ten European regions (Scotland, the Basque Country, Navarre, Lombardy, Norte, Flanders, Asturias, Dalarna, Scania and Emilia-Romagna) whose work together based on complimentary smart specialisation priorities, and whose aim it is for Europe to be the global leader in the manufacture of robust, high-integrity components and systems for marine renewable and offshore energy applications. The pilot, launched in June 2014, aims to create new business opportunities and increased growth for the sector; helping larger companies strengthen supply chains by working with innovative SMEs across Europe.

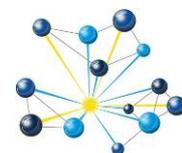
About Fundación Asturiana de la Energía

Fundación Asturiana de la Energía (FAEN) is the representative of Asturias in ADMA Energy group. FAEN is the regional energy agency of Asturias and aims to improve the sustainability of the regional energy market and promoting the industrial and research activities in the energy sector. Our role is to help identify and exploit the best opportunities for harnessing the regional energy resources, to facilitate the technological development in energy saving and renewable energies technologies, to promote the regional cooperation in the energy market and to increase the awareness of the general public related to the sustainability of the energy.

Introduction and Background

Based on a road-mapping exercise and the work carried out in the last years, the partner regions of ADMA Energy pilot have identified five areas of interest for collaboration:

- Power transfer in sea
- Anchoring and Mooring
- Joining of large components in harsh environments
- Decommissioning



- New materials and manufacturing methods

FAEN is leading an initiative in the “new materials and manufacturing methods” priority. The decrease in the ratio €/kWh that is being achieved in the offshore wind technology could be improved with the use of new materials more resistant and lighter and with an optimization of the manufacturing process. The use of new materials and their associated manufacturing process could reduce the weight of components, improve their reliability and make more resistant to the different loads and degradations that they are exposed in the offshore harsh environments. Furthermore, the implementation of new manufacturing methods and materials could mean a reduction of costs not only in the manufacturing phase but also in the logistic, installation and maintenance phases.

During 2019, FAEN carried out a “state of art” study entitled “*NEXT GENERATION OF MATERIALS FOR MANUFACTURING OF BIG COMPONENTS IN OFFSHORE WIND ENERGY*”, with the aim of assessing the opportunities in the use of new materials in offshore wind turbines. The study can be consulted using this link:

[Next Generation Materials for Offshore](#)

Considering the results of the study and on behalf of the ADMA Energy Pilot, Fundación Asturiana de la Energía is interested in the promotion of an European collaborative pilot project related to the use of next generation of materials for manufacturing of big components of offshore wind turbines. The project will be carried out by a Consortium set up by companies and research centres of some regions belonging to the ADMA Energy Pilot (Basque Country, Flanders, Dalarna, Lombardy and Asturias). The proposal will be focused in the use of standardized higher grades of steel instead of the most used steel, S355, in different components and systems of offshore wind turbines.

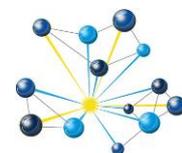
On this basis, FAEN requests advisory services for the preparation of a bankable proposal through the different European funding mechanisms.

Objectives

- Support in the leading activities of the Consortium
- Definition of a research and technological demonstration proposal focused in the use of new steels in offshore wind turbines to carry out among companies and research centres of regions belonging to ADMA Energy pilot partnership.

a. Scope of Services

- Support in the leading activities of an interregional proposal of collaboration among companies, research centres and regions (organization of meetings, definition of the approach of the proposal, ways of collaboration among partners,...). In the offer these services must be indicated
- Provide a “feasibility report” of the project with an identification of potential gaps and needs and a proposal of new key partners and actions
- Provide a report which gathers all the calls and mechanisms of funding detailing the main requirements and due dates. The report will include a short list of funding mechanisms that best fit with the requirements of the proposal.
- Provide a funding plan adapted to the project proposal and based on the available funding programs and mechanisms.



b. Outputs and Milestones

- | | |
|--|----------------------------------|
| • Contract awarded | 7 th May |
| • Kick off Meeting with FAEN | 10 th May |
| • Report of available funding sources | 15 th June |
| • Feasibility report of proposal | 15 th July |
| • Funding Plan of the proposal | 15 th August |
| • Organization of 4 meetings of the Consortium | Before 31 st December |

Contract is expected to commence on May 2021 and complete on December 2021.

c. Fees and Costs

Rates and prices shall be deemed inclusive of all additional expenses howsoever incurred. Please complete the pricing schedule below.

It is envisaged that the budget for this piece of work will be at a maximum of €11.000 **excluding VAT**.

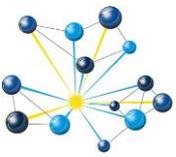
Evaluation Criteria

All submissions from suppliers will be scored on both price and quality. The contract will be awarded to the supplier who receives the highest total score.

The overall **Price: Quality** split for this tender will be **55%:45%** respectively.

Any mandatory requirements or thresholds identified in the specification must be met before the submission will be evaluated further. You must address each of the evaluation criteria in your submission in order to receive a score.

- **Price:** the offered price will be scored in a scale from 0 to 5.5. Offers with a price of 11.000 € or higher will be scored with 0. Any reduction in the reference price (11.000 €) will be scored at a maximum of 5.5.
- **Experience:** the experience in studies and works about new or advanced materials, offshore wind projects and coordination activities at regional or interregional level, particularly, to collaborative platforms and/or partnerships will be scored from 0 to 2.
- **Working plan:** it must cover, as a minimum, the indicated services. Any additional support / service / advice will be valued (from 0 to 2).
- **Timescale:** it will be assessed the progress in the work against the initial proposed calendar (from 0 to 0.5).



Please note that submissions will not be considered further if the above requirements are not met.

Price Criteria

This should be the total whole life cost of the service	TOTAL	55 %
---	--------------	-------------

Quality Criteria

	Weighting %	
Previous relevant experience.	20%	
Relevant skills and qualifications of proposed team	20%	
Methodology and approach proposed	20%	
Delivery / Timescales proposed	5%	
	Total	45%

Contract Management

Please include email address and phone number in ITQ documents as well as identified lead contact.