



## Open Tender

Mecaprom srl ([www.mecaprom.com](http://www.mecaprom.com)) is looking for a **technical partner** for the following task: “Mechanical design of an surface Permanent magnet e-motor for in-wheel-motor applications with stator and rotor interfaces”.

. The scope of the activity is:

- Development of a mechanical 3D model of a 15 inch-rim motor-in-wheel prototype according to the maximum radial and axial clearance available inside rim and integrating an automotive production wheel hub bearing and disc brake.
- Design of the construction 2D drawing according to the 3D inch-rim motor-in-wheel model.
- Modular design to adapt to different suspension mountings.

The activity is carried out within the European Project **LIFE-SAVE** (Solar Aided Vehicle Electrification, LIFE16 ENV/IT/000442), financed by European Commission within the LIFE Programme (<http://ec.europa.eu/environment/life/>). The aims and the general aspects of the LIFE-SAVE project are available on the project website [www.life-save.eu](http://www.life-save.eu). The project description, in terms of Background, Objectives, Expected Results, Beneficiaries and Administrative Data, is available on the official page of the project, at the following link: <https://goo.gl/1qcjsu>.

The work, to be carried out under the coordination of the technical staff of Mecaprom, must be completed before March 31<sup>st</sup>, 2019. The potential applicants are private or public institutions, including universities and research centres, belonging to a Member state of the EU.

To apply, please send a proposal **before 15-October-2018**, including the following information:

- Name and description of the institution.
- Previous experience in electromagnetic modelling and design of surface permanent magnet motors.
- Previous experience in motor-in-wheel design
- Declaration of the proposer that none of the exclusion criteria listed below applies.
- The cost of contract.

The proposal must be sent in PDF format to [mecapromtcosrl@legalmail.it](mailto:mecapromtcosrl@legalmail.it). The tender procedure will be awarded based on the principles of absence of conflict of interest and of “best value for money”, accordingly to the LIFE Grant Agreement Financial and Administrative Guidelines available at the page <https://goo.gl/K1ok3o>. In particular, award criteria will consider:

- Technical qualifications (25%).



- Previous experience in the area of design and construction of motor-in-wheel for electric and hybrid vehicles (50%).
- Cost of the contract (25%).

The result of the tender procedure will be communicated via certified email within May 28, 2018.

### **Evaluation of the exclusion criteria**

According to the “Guide for tenderers” available at [http://ec.europa.eu/oib/doc/tenders-submission-guide\\_en.pdf](http://ec.europa.eu/oib/doc/tenders-submission-guide_en.pdf), candidates or tenderers are excluded from participation in procurement procedures if:

- (a) they are bankrupt or being wound up, are having their affairs administered by the courts, have entered into an arrangement with creditors, have suspended business activities, are the subject of proceedings concerning those matters, or are in any analogous situation arising from a similar procedure provided for in national legislation or regulations;
- (b) they have been convicted of an offence concerning their professional conduct by a judgment which has the force of res judicata;
- (c) they have been guilty of grave professional misconduct proven by any means which the contracting authority can justify;
- (d) they have not fulfilled obligations relating to the payment of social security contributions or the payment of taxes in accordance with the legal provisions of the country in which they are established or with those of the country of the contracting authority or those of the country where the contract is to be performed;
- (e) they have been the subject of a judgment which has the force of res judicata for fraud, corruption, involvement in a criminal organisation or any other illegal activity detrimental to the European union's financial interests;
- (f) following another procurement procedure or grant award procedure financed by the Community budget, they have been declared to be in serious breach of contract for failure to comply with their contractual obligations.

**Michele Pennese**

CTO of Mecaprom srl

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Torino, Oct 8, 2018



**LIFE SAVE**  
**Solar Aided Vehicle Electrification**  
LIFE16 ENV/IT/000442

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