LC-GV-04-2019: A French SME looking for trucks and passenger cars manufacturers to develop a combustion engine based on heat recovery technology reducing energy consumption

Summary

A high-performance French SME operates in the sector of intelligent energy applied to automotive, transport and logistics. In response to the H2020 "LC-GV-04-2019: Low-emissions propulsion for long-distance trucks and coaches" the coordinator of the project is seeking partners to integrate a heat to power recovery technology reducing energy consumption on an vehicle through a research cooperation agreement. Partners sought are trucks and passenger cars manufacturers.

Creation Date	31 August 2017
Last Update	11 October 2017
Expiration Date	18 February 2018
Reference	RDFR20170831001

Details

Description

The global shift to low-carbon economy has started and its pace is accelerating through the European strategy for low-emission mobility. The low-emission mobility strategy aims at increasing the transport system efficiency, boosting the development of low-emission alternative energy for transport and moving towards zero-emission vehicles. For this purpose, improvements related to the internal combustion engine will be needed to accelerate the energy transition in Europe.

The topic of long-distance transport is highly important as it is one of the most consumer of energy and contributor to CO2 emissions. The main challenge and objective to be addressed by LC-GV-04-2019: Low-emissions propulsion for long-distance trucks and coaches call forthcoming is to reduce energy consumption, CO2 emissions in Europe.

As a response to the LC-GV-04-2019: Low-emissions propulsion for long-distance trucks and coaches call, the French coordinator of the project has developed a very innovative integrated waste heat recovery system based on an Organic Ranking Cycle. The SME is proposing this solution to vehicles that would integrate the innovative technology. The objective of such a project is to boost the energy transition towards low-emission vehicles by proposing an innovation reducing fuel consumption and emissions.

As being active in the sectors of intelligent energy, automotive, transport and logistics, the SME has already proved its expertise and skills in many technical fields as follows :
 Demotruck

- Engineering
- Test benches
- Industrialisation

Indeed the SME has already been funded by the European funding programme SME Instrument - Project Phase 2 for the H2020-SMEINST-2-2016-2017 call.

The SME with its technical expertise combined with its experience in the European H2020 programme constitutes a real asset and could bring added-value to the market in the light of the European strategy on energy and green transport. The innovation developed is a response to the low-carbon economy.

The French SME is looking for partners to integrate the waste heat recovery system in trucks or coaches, passenger cars or generator sets. Partners sought are SMEs, MNEs or other type of organisations with expertise in :

- Trucks Original Equipment Manufacturing
- Passenger cars Original Equipment Manufacturing
- Trucks Tier One manufacturing
- Passenger cars Tier One manufacturing

Timescale :

The deadline for Expressions of Interest is the 1st of February 2018.

Advantages and Innovations

Advantages :

- Efficiency : The innovation is designed to reach the best efficiency/cost ratio.
- Validation : The innovation has been tested by 3 OEMs and 4 Tier Ones.

Innovations :

- Patented : The innovative heat recovery system is protected by 10 patents worldwide.

Stage of Development

Prototype available for demonstration

IPR Status

Secret Know-how,Patent(s) applied for but not yet granted

Keywords

Technology

02008005	Road Transport
02009004	Road Vehicles
04005010	Integrated waste-energy processes
04007003	Process optimisation, waste heat utilisation
04008001	Combustion, Flames

Market

06006003	Heat recovery
06011	Energy for Transport
08003006	Power transmission equipment (including generators & motors)
09001002	Trucking
09001005	Motor vehicles, transportation equipment and parts

NACE

C.25.9.9	Manufacture of other fabricated metal products n.e.c.

Network Contact

Issuing Partner

ZACHODNIOPOMORSKI UNIWERSYTET TECHNOLOGICZNY W SZCZECINIE

Contact Person

Pawel Zebrowski

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Open for EOI : Yes

Dissemination

Send to Sector Group

Intelligent Energy

Client

Type and Size of Organisation Behind the Profile

Industry SME 11-49

Year Established

0

Already Engaged in Trans-National Cooperation

No.

Languages Spoken

English
French

Client Country

France

Partner Sought

Type and Role of Partner Sought

Expertise of partners sought :
- ☐ Trucks original equipment manufacturer
- ☐ Passenger cars original equipment manufacturer
- ☐ Trucks tier one manufacturing
- ☐ Passenger cars tier one manufacturing
- ☐ Coaches original equipment manufacturer

Role of partners :
- ☐ Integrating the innovative technology developed
- ☐ Marketing

Type and Size of Partner Sought

University,R&D Institution,>500 MNE,251-500

Type of Partnership Considered

Research cooperation agreement

Program - Call

Framework Program

H2020

Call title and identifier

LC-GV-04-2019: Low-emissions propulsion for long-distance trucks and coaches

Coordinator Required

No

Deadline for EOI

18 Feb 2018

Deadline for Call

18 Feb 2018

Weblink to the Call

https://ec.europa.eu/programmes/horizon2020/sites/horizon2020/files/17092720final-pre-publ-cps-h2020-sc4-2018-2020.pdf

H2020-MSCA-ITN: Looking for a company providing online training modules on transferable skills

Summary

A Spanish SME looks for a company to participate in a project as subcontractor or third party providing online training modules on transferable skills. The proposal will be submitted to the call Marie Skłodowska-Curie Innovative Training Networks (H2020-MSCA-ITN) and it is aimed to develop a research training network providing a training programme that will contain the referred online modules and that will be addressed to 15 Early-Stage Researchers developing a PhD thesis.

Creation Date	19 October 2017
Last Update	25 October 2017
Expiration Date	17 January 2018
Reference	RDES20171019001

Details

Description

The Spanish SME specialised in bioinformatics and computational biology wants to develop a research training network for the study of mobile genetic elements and biological systems (MOBIOSYS) and they are preparing a proposal to be submitted to the call Marie Skłodowska-Curie Innovative Training Networks (H2020-MSCA-ITN).

The research consortium is already composed of a multidisciplinary group of academic and non-academic institutions (13 in total), and the coordinator and thus the one who will manage the budget will be a department from a Spanish public university.

Within the network a training programme is being designed that contemplates three training events in the form of 3-4 days “Winter Schools” where they will include a series of online training modules on transferable skills. These online training modules will be addressed to 15 Early-Stage Researchers and are a priori planned to be performed during the three Winter Schools, on months 15, 27 and 39 of the research training programme life.

The Spanish company seeks for a company providing the online training modules on transferable skills: gender dimension, open science, responsible research and innovation, intellectual property, career planning, presenting grants, project management, presentations and networking.

Call deadline: 17th January 2018
EoIs deadline: 23rd December 2017

Stage of Development

Proposal under development

IPR Status

Other

Keywords

Technology

06002005	Genetic Engineering
06003001	Bioinformatics
06003002	Gene Expression, Proteome Research
06003003	Population genetics

Market

04008	Genetic Engineering
04014	Bioinformatics
04015	Gene Expression, Proteome Research
04016	Population genetics

NACE

M.71.2.0	Technical testing and analysis
M.72.1.1	Research and experimental development on biotechnology
M.74.9.0	Other professional, scientific and technical activities n.e.c.
Q.86.9.0	Other human health activities

Network Contact

Issuing Partner

ZACHODNIOPOMORSKI UNIWERSYTET TECHNOLOGICZNY W SZCZECINIE

Contact Person

Pawel Zebrowski

Phone Number

+48 91 449 43 64

Email

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Open for EOI : Yes

Client

Type and Size of Organisation Behind the Profile

Industry SME <= 10

Year Established

0

Turnover

<1M

Already Engaged in Trans-National Cooperation

Yes

Languages Spoken

English
Spanish

Client Country

Spain

Partner Sought

Type and Role of Partner Sought

Type of partner sought. Company providing online training modules on transferable skills.
Role of partner sought. H2020-MSCA-ITN subcontractor or other third parties.

Type and Size of Partner Sought

SME 11-50,SME <10,251-500,SME 51-250,>500

Type of Partnership Considered

Research cooperation agreement

Program - Call

Framework Program

Marie Sklodowska-Curie Actions

Call title and identifier

MARIE SKŁODOWSKA-CURIE INNOVATIVE TRAINING NETWORKS (H2020-MSCA-ITN)

Submission and evaluation scheme

European Training Networks, [ETN] (H2020-MSCA-ITN-ETN)

Anticipated Project Budget

9375000 € /year

Coordinator Required

No

Deadline for EOI

17 Jan 2018

Deadline for Call

17 Jan 2018

Project Duration

192 week(s)

Weblink to the Call

http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/msca-itn-2018.html

Project Title and Acronym

A research training network for the study of MObile Genetic Elements and BIOlogical SYStems (MOBIOSYS)

Attachments