

Energia

# PARTNER SEARCH PMI7-EU-BSGSME-25

01 dicembre 2017

Oggetto: PARTNER SEARCH PMI7-EU-BSGSME-25

Richiesta di una PMI francese alla ricerca di partner da includere in un loro progetto. contattare [spagnoli@apre.it](mailto:spagnoli@apre.it), facendo riferimento al codice PARTNER SEARCH PMI7-EU-BSGSME-25

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<Reference n.: PMI7-EU-BSGSME-25>

<Deadline: 04/09/2007>

<Programme: >

<Project Title: Wearable fall detector device miniaturization (Mini'Fall)>

<Financial Scheme: >

<Description: Problem being addressed:

The Mini'Fall project proposes a new generation of fall detector device, itself integrated within a fall detection system (alarm and telecoms services). Trials on an existing version of this technology demonstrate that it has vastly superior fall detection performance than anything currently on the market. It represents a highly reliable means of minimizing the consequences of falls in the elderly and infirm - with minimisation of false alarms.

Mini'Fall will automatically detect and verify that a fall has occurred, and immediately contact health services - allowing earliest possible intervention.

Existing fall detectors have no significant social impact, and little market penetration: only around 4% of Europe's potential end users have any of the existing alarm devices.

The mini'fall project will address significant improvements to device ergonomics, and improvement of operational reliability, power

consumption, robustness, and design for wearability, through miniaturisation.

Innovation:

Although highly performant, the existing fall detector device is oversized.

Mini'fall aims to achieve miniaturization to approx. the size of a one euro coin. In addition, an objective is to package the device in hypoallergenic material such that the device is held firmly in contact with the subject's skin.

Regarding reliability, the major reason for the negative market response to fall detectors in general is their high rate of false alarms. The Mini'Fall system solves this problem by using signals from both a wearable device and sensors placed in the living space.

Reliability is enhanced via a specifically-developed algorithm that decides whether or not a fall has actually occurred.

<Organisation Type: PMI >

<Partner Sought:

SME 1: BATTERY MANUFACTURER COMPANY:

Energy sector company to produce a high performance long-life lightweight power cell.

Partner located in any country of the EU except France

Responsibilities in the project: Producing a coin cell with the following requirements:

- Shape: disc (button), - Size: 22 mm diameter, 1 mm height - Voltage: 3V,

- Capacity: of the order of 5000 mAh

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SME 2 : ELECTROSENSITIVE PIGMENTS COMPANY:

Chemical sector company to produce electrosensitive pigments, capable of showing the charge state of a coin cell.

Partner located in any country of the EU except France

Responsibilities in the project: Developing an lectrosensitive element to be integrated into a small (380 mm<sup>3</sup>) electronic device to monitor battery state.