

PARTNER SEARCH PMI7-EU-BSGSME-29

01 dicembre 2017

PARTNER SEARCH PMI 7-EU-BSGSME-29
richiesta di una PMI spagnola alla ricerca di partner da
includere in un loro progetto da presentare nel programma CAPACITIES
tematica RICERCA PER LE PMI .

tegas@apre.it

PARTNER SEARCH PMI7-EU-BSGSME-29

----- PARTNER SEARCH PMI7-EU-BSGSME-29 -----

<Reference n.: PMI7-EU-BSGSME-29>

<Deadline: 31/03/2008>

<Programme: CAPACITIES>

<Project Title: ZIGBUILDING: DEVELOPMENT OF AN INTEGRATED MANAGEMENT
SYSTEM FOR BUILDINGS APPLYING ZIGBEE.>

<Financial Scheme: >

<Description: In recent years, Zigbee technology has burst forcefully
because it overcomes speed limitations found in other wireless
commercial automation technologies, it allows for more devices on a
single network, it has a lower consumption of energy, it has the
ability to communicate with a larger number of nodes and because the
nodes themselves can form networks that cover longer distances.
Wireless-based systems offer building owners and facility managers
more choices and fewer constraints, including: Simpler more flexible
system design; faster, less disruptive installations and retrofits.
Wireless systems reduce wiring and labor costs in building automation
technologies, enhance power efficiency and the range of the wireless
digital signal transmission. Wireless mesh networking technology
improves wireless signals attenuation and offers improved wireless
signals.

These are the reasons why this project provides an opportunity to develop an Integrated System for Buildings with own Zigbee modules that allow existing systems to evolve into new ones with greater opportunities and greater advantages: precision, control capacity , reliability, consumption...

The objective of ZIGBUILDING project is to develop a system consisting in:

- Access and Presence Control System: designed to regulate human access to controlled areas, preventing access to these areas to authorized personnel only, while enabling know transits (who, where and when) authorized.

- Management System Alarm

- Facilities control: Efficient management of electromechanical installations in a building (temperature, Electricity System, fire detection, normal and emergency lighting,...)

During the project, all the zigbee modules needed to connect these control systems wirelessly will be developed.

To carry out the project the following tasks will be carried out:

- 1.- Project Management.
- 2.- Specification Architecture System.
- 3.- Development hardware Zigbuilding.
- 4.- Development middleware Zigbee of cards.
- 5.- Integration hardware-software Zigbuilding.
- 6.- Equipment installation and preindustrial test.
- 7.- Exploitation and dissemination.

KEYWORDS: ZIGBEE; BUILDING CONTROL; BUILDING AUTOMATION; ACCESS AND PRESENCE CONTROL SYSTEM; MANAGEMENT SYSTEM ALARM>

<Organisation Type: PMI >

<Partner Sought: PARTNER SOUGHT
EXPERTISE REQUESTED:

SME 1- European company (not Spanish, French or Portuguese markets) develops and markets management building systems.

ROLE:

- Technology development
- Dissemination
- Demonstration

ORGANISATION TYPE:

- SME

EXPERTISE REQUESTED:

SME 2- Telecommunications company with experience in zigbee technology, with knowledge of radiomodems and other applications services.

ROLE:

- Technology development
- Research
- Demonstration

ORGANISATION TYPE:

- SME

-EXPERTISE REQUESTED:

SME 3-Company dedicated to the installation of control systems, manufacture of sensors or surveillance

ROLE:

- Demonstration
- Other: end users

ORGANISATION TYPE:

- SME

-EXPERTISE REQUESTED::

RTD 1-RTD expertise in software development and with experience in programming or management Zigbee modules.

ROLE: :

- Technology development
- Research
- Dissemination
- Demonstration

ORGANISATION TYPE:

- Research