

Details

Title	Organizations experienced in energy and smart cities sought for H2020 proposal.
POD Reference	RDBA20180204001
Summary	An SME from Bosnia and Herzegovina specialized in sustainable energy, climate and environmental actions is searching for partners (policy institutions, SMEs, NGOs, R&D institutions) with expertise in sustainable energy to apply for a H2020 project. The main objective of the project is to increase energy systems integration and to increase energy performance levels enabling energy transition in cities, through the LC-SC3-SCC-1-2018-2019-2020 call on the topic of Smart Cities and Communities.
Description	Description of an organization A highly experienced private organization sustainable energy, waste management, and environmental protection is searching for an innovative partner with expertise in energy management and energy efficiency to apply for H2020 project. Overview of the R&D project The COP21 Paris Agreement recognizes the role of cities in rapid reduction of greenhouse gas emissions and adaptation to climate change. To achieve the necessary energy transition in cities, it is essential to increase energy systems integration. This project within its designated H2020 call also contributes to the specific objectives of the SET Plan action 3.2 - Smart cities and communities - focusing on positive-energy blocks/districts. Within the project, integrated innovative solutions for Positive Energy Blocks/Districts will be developed and tested and performance-monitored in the Lighthouse Cities. Positive Energy Blocks/Districts consist of several buildings (new, retro-fitted or a combination of both) that actively manage their energy consumption and the energy flow between them and the wider energy system. Positive Energy Blocks/Districts have an annual positive energy balance. They make optimal use of elements such as advanced materials, local RES (Renewable Energy Sources), local storage, smart energy grids, demand-response, cutting edge energy management (electricity, heating and cooling), user interaction/involvement and ICT. Proposal envisaged two Lighthouse Cities and at six Follower Cities, and a close cooperation between the two types of participants, where the first should act as exemplars helping to plan and initiate the replication of the deployed solutions in the Follower cities. To increase impact beyond the demonstration part of the project, each Lighthouse City and Follower City will develop, together with industry, its own bold city-vision for 2050. The vision should cover urban, technical, financial and social aspects. Each Lighthouse City would have a budget of EUR 6 mil, while Follower cities will have a budget of EUR 0.5 million. Our project will contribute to:

	<p>-Meeting EU climate mitigation and adaptation goals and national and local energy, air quality and climate targets; -Significantly increased share of i) renewable energies, ii) waste heat recovery and iii) appropriate storage solutions - Significantly improved energy efficiency -Increased uptake of e-mobility solutions; The client is currently preparing this project with organizations from two more cities that have SEAP (Sustainable Energy Action Plan) in place, one is from Croatia and the other is from Slovenia. However, consortium would benefit from wider coverage of European countries, hence EOIs are welcome both from representatives from cities possessing SEAP (as Lighthouse Cities) and ones who do not (as Follower Cities). Timescales- EOI deadline: 23 February 2018 - Call deadline: 05 April 2018 Type and role of the partner sought Project partners should have experience in writing and implementing H2020 proposals. Project partners should have specific experience and expertise in one or more of the following topic: -Smart Cities-Energy Efficiency -Positive Energy Blocks/Districts-Lighthouse Cities Project partners are expected to contribute to:- Development of strategies and approaches for creating innovative solutions for Positive Energy Blocks/Districts - Implement the proposed innovative solutions in Lighthouse Cities-Plan the implementation of the proposed solutions in Follower Cities</p>
Stage of Development	Proposal under development

Keywords

Technology Keywords	04007001 Energy management 04007002 Lighting, illumination 04007003 Process optimisation, waste heat utilisation 04007005 Heat pipes
Market Keywords	06003010 Distributed power and grid connection 06007001 Other energy production
NACE Keywords	M.74.9.0 Other professional, scientific and technical activities n.e.c.

Partner Sought

Type and Role of Partner Sought	Within this call, various organizations and institutions are welcome as partners. The range of possible partners is as follows: public institutions (e.g. city administrations), SMEs, Universities, NGOs or R&D institutions. What is very important is that all potential project partners should have experience in preparing and implementing H2020 proposals. When it comes to the specific experience and expertise expected, project partners should have skills and knowledge in one or more of the following topics: - Smart Cities- Energy Efficiency - Positive Energy Blocks/Districts- Lighthouse Cities In terms of the work in the project, project partners are expected to contribute to:- Development of strategies and approaches for creating innovative solutions for Positive Energy Blocks/Districts; - Implementation of the proposed innovative solutions in Lighthouse Cities;- Planning of the implementation of the proposed solutions in Follower Cities;
Type and Size of Partner Sought	R&D Institution SME <10 SME 11-50 SME 51-250 University
Type of Partnership Considered	Research cooperation agreement

Client

Type and Size of Client	Industry SME 50-249
Year Established	2002
Turnover (euro)	1 - 10M
Already Engaged in Trans-National Cooperation	Yes
Languages Spoken	English German Turkish

Client Country	Bosnia and Herzegovina
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Programme-Call

Framework Programme	H2020
Call title and identifier	Smart Cities and Communities H2020-LC-SC3-2018-2019-2020
Anticipated Project Budget	15 mil. EUR
Coordinator Required	No
Deadline for Call	05 Apr 2018
Project Duration	200 week(s)
Weblink to The Call	http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/topics/lc-sc3-scc-1-2018-2019-2020.html
Project Title and Acronym	Brilliant Cities and Communities, B_CITCOM