



PROJECT OVERVIEW:

Working Title Model / City' – Brief Description SIEMENS - MICROSOFT

The 'Model/City' Smart City Consortium is forming up, under the Leadership of South Dublin *"to significantly accelerate the industrial-scale roll-out of Smart City solutions integrating technologies from Energy, Transport and Information and Communication Technologies (ICT). This is where there is most untapped innovation potential and most environment and societal benefits to be gained."*

South Dublin is bringing together the Consortium of three Light House and three Follower Cities to advance together, within our Cities, "systems of people interacting with and using flows of energy, materials, services and financing to catalyse sustainable economic development, resilience, and high quality of life; these flows and interactions become smart through making strategic use of information and communication infrastructure and services in a process of transparent urban planning and management that is responsive to the social and economic needs of society.". This Consortium will submit a Common Bid, in April 2016, seeking Horizon 2020 Smart City & Communities Support to enable the Cities to elevate their plans onto a new Smart and Long-term Sustainable Plane to create a "honey-pot" Reaction to attract increasing levels of Investment, Entrepreneurship and Citizen Engagement.

Together, and with the Horizon 2020 'enabling' funding, we will execute a Quantum Leap into the future as a vibrant combined Trans-European Smart City focused initially in the following Key Areas:-

Trans-Euro Smart Lab – One Common Smart City Lab for all the Cities

Smart City Shared Action Lab: Smart City Knowledge, Innovation, Incubation and Implementation. Interdisciplinary Team fuelled by knowledge-workers from all of the Cities from all Disciplines, Technology Institutes, Universities, Municipalities, Multi-nationals, Business, Community & Technological Organisations (For & Not-For-Profit) forming a single Virtual Lab spanning all the Cities, coupled to solid local on-the-ground and growing Smart Lab Resources, in all of the Cities, informing; design, implementation, commercialization and evaluation of ever forward-driven projects and Smart City Programme elements – New Business Models, Financial Solutions, Citizen Engagement, Incubation and Funding – empowering both the Cities and the Citizens to operate successfully beyond state-of-the-art on the new higher plane for

long-term sustainable growth and well-being – always engaging multi-national teams from all of the E.U. Cities together.

“Sustainable Urban Mobility – Alternative energies, public transport, efficient logistics, planning;”

Implementing innovative urban mobility systems to decarbonise and future-proof all aspects of urban mobility – travel, delivery, carriage, & leisure. Orbital Electric Bus Routes meeting Electric Tramways/Taxis/Cycle ways.

“Sustainable Districts and Built Environment – improving the energy efficiency of buildings and districts, increasing the share of renewable energy sources used and the liveability of our communities;” – Key Revenue Generator for long-term propulsion and sustainability.

Driving fundamental and radical alteration of our urban relationship with energy - towards a renewable, secure and stable energy system embedded in the City, powered by the Citizen, Regulated and Stabilised by an innovative Community Energy Utility – Providing Reserve Energy Storage, Automated (IoT) Prosumer Flexibility and support for the Grid and enabling secure and stable RE Power from distant large-scale sources. Future proofing buildings – higher efficiency standards, deep retrofit and Smart “Connected” Control Systems.

“Integrated Infrastructures and processes across Energy, ICT and Transport – connecting infrastructure assets to improve the efficiency and sustainability of cities.” The” integration of technologies across the ICT, energy and mobility & transport LTE/LORA Wireless Canopies relayed by Streetlamp Smart Repeaters & Controls including Cloud-based Open API Data Lakes as Start-Up Driver.

Coordinator: Bid lead by South Dublin County Council in partnership with Micro-electricity Generation Association of Ireland and Siemens

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Partners Sought: Lighthouse and Follower cities

Programme Area: Energy

Funding Scheme: H2020-Energy-2016-17

Call Identifier No: SCC1

Call Closing Date: 5/4/16

EU Project Acronym: MODEL/ CITY

SIEMENS


Comhairle Contae
Átha Cliath Theas
South Dublin County Council

