TEDS4BEE: Test of Digital Services for Buildings Energy Efficiency

TEDS4BEE aims to run the Digital Service in the 9 buildings located in 5 countries. The Digital Service is EMMOS (Energy Management and Monitoring Operational System), that makes possible to collect, storage and analyze consumption data and other parameters that influences the energy consumption. The buildings where EMMOS will be implemented are: -Italy: Scientific and technological park VEGA in Venice -Poland: Lodz Regional Science and Technology Park -Poland: Real Estate Management Wola in Warsaw -Spain: Public swimming pool in Boadilla -Spain: Public auditorium in Boadilla -Spain: Public auditorium in Soto del Real -Spain: Town Hall Offices in Soto del Real -United Kingdom: Town Hall Offices in Herefordshire -Serbia: Clinical Center of Vojvodina in Novi Sad The TEDS4BEE main objectives are: * Integration and validation of EMMOS as the Digital Service in the 9 buildings with all the related activities like training the local ESCO and user, adaptation of EMMOS to the buildings, deployment of EMMOS in each building, gathering energy data through EMMOS and validation of EMMOS as a digital service in the buildings. * Assessment of the collected data in terms of energy efficiency and savings, define the business and exploitation plans to anticipate the sustainability and the scalability beyond these pilots and user's acceptance through surveys. *Expected impact emissions reduction in buildings between 15% and 30%. The Digital Service, EMMOS provides a mechanism for monitoring energy consumption and forecasting of energy usage and cost models for buildings. Predictions are based on pre-established guidelines and models, analyzing, among others, profitability and efficiency of investments aimed at reducing energy costs. EMMOS has been deployed in twenty-two (22) buildings (sport centers, football fields, ...), in Bilbao (Spain). TEDS4BEE gathers in the consortium the full value chain (ICT providers, ESCOs and public building owners) and some more (universities, research centers,…) for seven (7) countries. The five (5) clusters where EMMOS deployment will take place represent a wide variety of building typologies and uses and climatology. This variety of partners and buildings will make a very comprehensive set of testing cases empowering the replication.

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Contact information

GARCIA Sixto
Serrano Galvache 56
28033 Madrid
SPAIN
Tel. +34915869920
Fax. +34913388351
E-mail: **sixto@ferrovial.es**

Participants

Coordinator: FERROVIAL SERVICIOS SA, SPAIN

Participating partners:

Organisation	Country
FERROVIAL SERVICIOS SA	SPAIN
UNIVERSITY OF LIMERICK	IRELAND
VEGA PARCO SCIENTIFICO TECNOLOGICO DI VENEZIA	ITALY
ENGINEERING - INGEGNERIA INFORMATICA SPA	ITALY
FBSERWIS SPOLKA AKCYJNA	POLAND
CENTRUM BADAN I INNOWACJI PRO-AKADEMIA STOWARZYSZENIE	POLAND
INDRA SISTEMAS PORTUGAL SA	PORTUGAL
ION SOLUTIONS ZA RAZVOJ PROGRAMSKIHRESENJA I CONSULTING DOO	SERBIA
UNIVERSIDAD POLITECNICA DE MADRID	SPAIN
CENTRO DE INNOVACION DE INFRAESTRUCTURAS INTELIGENTES	SPAIN
Asociacion Madrid Network	SPAIN
AMEY OW LIMITED	UNITED KINGDOM

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