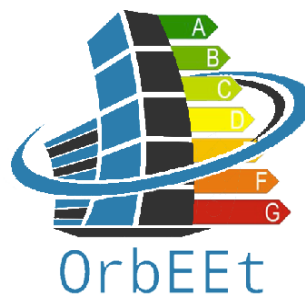




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Project Title:

ORganizational Behaviour improvement for Energy Efficient administrative public offices



OrbEet

Grant Agreement No: 649753

Collaborative Project

Public Summary

Deliverable No.	D1.1 End user & business requirements
Workpackage	WP1 Requirements – Specification & Modelling
Task	T1.1 End-User and Business Requirements
Lead beneficiary	SOLINTEL



1. PUBLISHABLE PUBLIC SUMMARY

The requirements of the OrbEEt framework has been defined at the beginning of this deliverable. A detailed description of the followed methodology for the extraction of End user and Business requirements is provided. The description of the four pilot buildings' typology, singularities and limitations has set the boundaries for the OrbEEt framework implementation. The business scenarios and the use-cases related to OrbEEt were developed taking into account the objectives of the project and the needs of the proposed platform.

Two main business scenarios are provided in this deliverable:

- **The first business scenario deals with the real time visualization of building operation** parameters, which derives into two main use cases that address the need of an enriched visualization of both building operation and business process ratings for facility managers and business analysts.
- **The second business scenario deals with the establishment of an engagement** framework towards a motivating social environment and the appropriate feedback provision mechanisms to ensure persistent energy saving behaviours. The use cases based on this business scenario have addressed the needs of providing personalized and actionable feedback to the participants (via smartphone game and intranet portal), defining generic actions towards stimulating a positive energy culture (through in-office displays), and encouraging players to discuss and share their performance and tips on how they reach their targets.

Based on these five use cases, functional and non-functional requirements have been obtained. They were prioritized with respect to the importance and fulfilment of the project concept and goals.

- The first group covers all the operations and activities the OrbEEt framework must be able to perform. It has been divided into four main areas, which serve to describe the functionalities and architecture of each OrbEEt framework sub system: 1) Data acquisition, collection and processing; 2) Creation of the Systemic Enterprise Operational Rating framework merging the Business Process Modelling tool and the conventional Operational Rating methodology; 3) Estimation and visualization of Enhanced Display Energy Certificates; and 4) Behavioural change strategies to establish both intrinsic and extrinsic motivators.
- The second group covers the technical constraints of the system. A list of non-functional requirements has been described with regard to hardware and software limitations (WSN, displays, intranet portal), ensure functionality of end-user interfaces (response time, workload, scalability), supportability (expand the platform and promote the creativeness of the end users), security needs, interface (rapid translation and maximize visual information), the need of available in-office displays and the accessibility to smartphone and intranet portal.