# SUNSHINE: Smart UrbaN ServIces for Higher eNergy Efficiency

**Project ID card**

- Funded under: The Information and Communication Technologies Policy Support Programme
- Area: CIP-ICT-PSP.2012.1.1 - Smart urban digital services for energy efficiency
- Total cost: €4.63m
- EU contribution: €2.31m
- Project reference: 325161
- Execution: From 01/02/2013 to 31/01/2016
- Project status: Running
- Contract type: The Information and Communication Technologies Policy Support Programme PB Pilot Type B

SUNSHINE – “Smart UrbaN ServIces for Higher eNergy Efficiency” delivers innovative digital services, interoperable with existing geographic web-service infrastructures, supporting improved energy efficiency at the urban and building level. Specifically, SUNSHINE delivers a smart service platform accessible from both a web-based client and from an App for smartphones and tablets. In particular, the SUNSHINE platform will allow: 1) Automatic large-scale assessment of building energy behaviour based on data available from public services (e.g. cadastre, planning data etc.). The information on energy performances will be used to automatically create urban-scale “ecomaps” to be used for planning activities and large-scale energy pre-certification purposes. 2) The previous assessment will be then used, together with localised weather forecasts available through interoperable web-services, to ensure optimisation of energy consumption of heating/cooling systems through automatic alerts that will be sent to the SUNSHINE App installed on the smartphone of the final users. 3) Lastly SUNSHINE will ensure interoperable control of public illumination systems based on Automatic Meter Reading (AMR) facilities remotely accessible, via interoperable standards, from a web-based client as well as from an App for smartphones or tablets. The SUNSHINE technology will be the result of the customisation and integration of existing software components developed by other EC-funded projects focusing on smart-city technologies, including BRISEIDE, i-SCOPE and i-Tour. The SUNSHINE technology will be eventually piloted in the context of 9 sites across 5 countries, specifically: • Italy: 20 public buildings in Ferrara; 60 technical buildings across the Trentino Province; 4 public illumination lines in the centre of Bassano del Grappa (Italy) (total of 200 illumination units), 5 public illumination lines in the city of Rovereto (Italy) (total of 80 illumination units); 3 building complexes in the area of Val di Non (Italy) and their outdoor public illumination systems. • Austria: 1 public multipurpose building in Schwechat and the public illumination systems in its surroundings. • Croatia: 10 buildings owned by HEP ESCO in Zagreb and Split and the illumination systems in the surroundings of one of HEP ESCO’s power plant (50 illumination units). • Greece: five buildings in Lamia owned by Technological Educational Institute di Lamia. • Malta: 2 buildings owned by Malta College of Arts, Science and Technology in Paola. SUNSHINE will be piloted for a duration of 12 months and it will target at energy and emission savings ranging, within the various pilots, from 10% to 30%, with higher savings being foreseen for pilots relying on older buildings, or equipped with older heating, cooling or lighting technologies. Energy savings will be compared to a one-year baseline data acquired, during the first stages of the project prior to the deployment of the pilots.

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## Participants

Coordinator: FONDAZIONE GRAPHITECH, ITALY

**Participating partners:**

| Organisation | Country |
|---|---|
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| **CEIT ALANOVA GEMEINNUTZIGE GMBH** | AUSTRIA |
| **EPSILON INTERNASIONAL ANONYMI ETAIREIA MELETON KAI SYMVOULON (EPSILON INTERNATIONAL SA)** | GREECE |
| **ZANCARLI IVO - GRAFICA LIGHT DI ZANCARLI ING IVO** | ITALY |
| **TRENTINO NETWORK SRL** | ITALY |
| **SOCIETA' ELETTRICA TRENTINA PER LA DISTRIBUZIONE DI ENERGIA ELETTRICA SPA** | ITALY |
| **SINERGIS SRL** | ITALY |
| **INFORMATICA TRENTINA SPA** | ITALY |

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|---|---|
| **GeoSYS Limited** | MALTA |
| **HEP - ESCO DOO ZA VODENJE I FINANCIRANJE PROJEKATA ENERGETSKE UCINKOVITOSTI** | REPUBLIC OF CROATIA |
| **URBANISTICNI INSTITUT REPUBLIKE SLOVENIJE** | REPUBLIC OF SLOVENIA |
| **URBASOFIA SRL** | ROMANIA |
| **FUNDACION ESADE** | SPAIN |
| **FARISA ASESORES Y CONSULTORES S.L** | SPAIN |
| **GiStandards LTD** | UNITED KINGDOM |
| **CADZOW COMMUNICATIONS CONSULTING LIMITED** | UNITED KINGDOM |

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