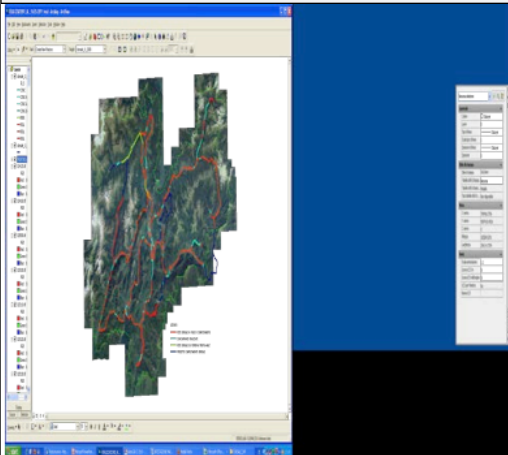


 	SUNSHINE: SMART URBAN SERVICES FOR HIGHER ENERGY EFFICIENCY (HTTP://WWW.SUNSHINEPROJECT.EU/)							
	Country	Contract value (€)	% carried out by Epsilon	No of staff provided	Client	Origin of funding	Date (start/end)	Consortium Members
	Greece	4.628.007,00	6,3% € 291.600,00	5	European Commission	EC HORIZON CIP-ICT-PSP-2012-6	01/02/2013 01/02/2016	19 Partners
Description of the project					Services provided			
 a map o the optic fiber network in Trentino managed by TNET The SUNSHINE project (Smart Urban Services for Higher eNergy Efficiency) aims to deliver smart services that enhance energy efficiency in urban areas by leveraging interoperable technology and open standards. The project focuses on three key areas: energy assessment of buildings through "ecomaps" and energy pre-certification, optimizing heating and cooling systems using weather forecasts and building data, and improving energy efficiency in public lighting systems. SUNSHINE integrates real-time data from public administrations, energy providers, and weather services, using advanced GIS and sensor technologies to provide actionable insights to building managers, public administrators, and citizens. These services are piloted in multiple European cities to create scalable solutions for reducing energy consumption and greenhouse gas emissions. SUNSHINE's objectives are: • To reduce energy consumption in public and private buildings by providing smart services that optimize the use of heating, cooling, and lighting systems based on real-time data, such as local weather forecasts and building energy performance. • To develop tools for remote monitoring and control of public lighting and heating systems, which account for significant energy usage in urban areas. This includes dimming lights during low-traffic hours and adjusting heating and cooling systems based on forecasted weather conditions. • To integrate geospatial data, sensor data, and energy-related data into a unified platform that allows city administrators, building managers, and citizens to access and utilize this information for better decision-making and resource management. • To engage citizens and stakeholders through awareness campaigns and educational tools like ecomaps that visualize energy consumption and efficiency improvements, thus fostering more energy-conscious behaviour. • To ensure that the tools developed in the project align with European Union energy performance directives, particularly those focused on reducing CO2 emissions and improving the energy efficiency of buildings.					For WP1: Users and training requirements. • Defined the requirements for the protection of the privacy and anonymity of citizens and their mapping to existing best practice. For WP2: Information collection. • Lead a survey of all existing data repositories and services available through partners from public repositories, and from other ICT-PSP projects, catalogued and updated the data throughout the project. • Provided a harmonised and seamless service infrastructure. • Analysed the regulatory framework to identify constraints and legal obligations that SUNSHINE service had to comply with. For WP4: SUNSHINE smart urban services. • Defined the service platform that acted as the framework for all software developments. • Built a service that uses location, weather and consumption data to calculate an operational rating of the energy performance of a public building. • Provided the development and deployment of the SUNSHINE web portal. For WP5: Pilots deployment and assessment • Tested the various independent client and server components against functional requirements.			