

# Developing a Digital Assistant for Energy and Environmental Awareness with Business Engagement

## Tripolis - Greece

### Short description

The Local Green Deal in Tripolis, Greece, centers on a cutting-edge digital assistant aimed at fostering energy and environmental awareness within the local community and business sector. This innovative tool provides real-time insights into sustainability practices, green investment opportunities, and municipal services. A collaboration between the Municipality of Tripolis, the Chamber of Commerce of Arcadia, and the Peloponnese Development Company "Agapinor" this initiative is a cornerstone of Tripolis's Sustainability Strategy 2024–2030. Its goals include reducing energy consumption, lowering CO2 emissions, and promoting renewable energy adoption while empowering businesses and citizens to embrace sustainable lifestyles.



### Industry/Sector

- Energy & renewables

### Parties of LGD/Participating parties

- Chamber of Commerce of Arcadia - Private company, with the help of Peloponnese Development Company 'Agapinor' - Public organization (specifically contributing to outreach and promotion)

## Scope of LGD

- Develop a digital assistant to provide real-time information on energy and environmental practices.
- Promote green behaviors among citizens and businesses.
- Facilitate municipal services and sustainability initiatives.
- Enhance green investment opportunities and sustainability education.

## Concrete measures/commitments

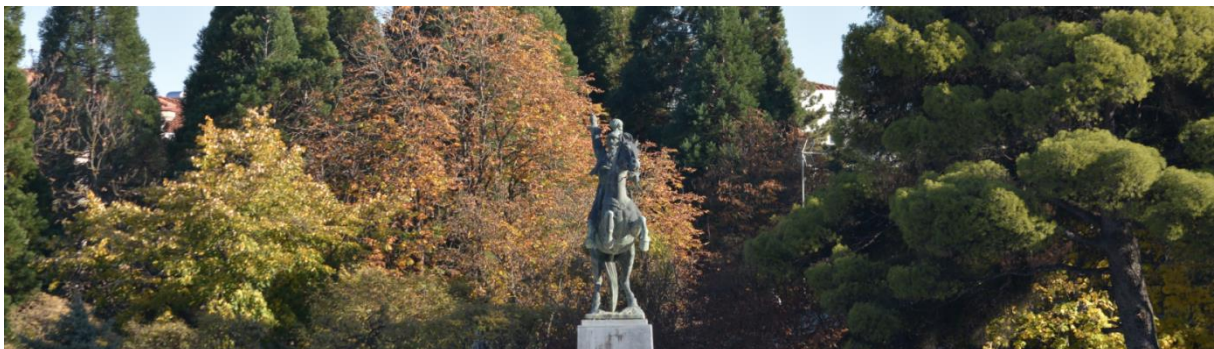
- Sustainability Strategy 2024–2030: Focus on climate neutrality, energy efficiency, and waste reduction goals.

# Energy Upgrade, System Automation, and Smart City Applications for Energy Savings

## Tripolis - Greece

### Short description

This LGD is a strategic governance tool used by the Municipality of Tripoli to accelerate sustainability actions aligned with the European Green Deal. It focuses on modernising city infrastructure through energy upgrades, system automation, and smart city applications for energy savings. The initiative aims to reduce energy consumption and carbon emissions, improve urban management, enhance competitiveness, and drive behavioural changes towards sustainability. It involves a partnership between the Municipality and a private consortium, leveraging public, EU, and potentially private funding.



### Industry/Sector

- Energy & renewables

### Parties of LGD/Participating parties

- Municipality of Tripoli, consortium EUSIF SL EUSIF SL II TRIPOLIS, citizens and local businesses

## Scope of LGD

- To modernise the city's infrastructure to improve energy efficiency and integrate smart city technologies. This specifically targets the upgrade of public lighting systems, the automation of lighting in common areas, and the deployment of smart city applications. The aim is to achieve significant reductions in energy consumption and carbon emissions, enhance the urban management system, contribute to sustainability targets, and foster a culture of sustainability among residents and businesses.

## Concrete measures/commitments

### **Municipality of Tripoli** commits to:

- Energy Upgrade and Automation of Public Lighting Systems.
- upgrading 12,777 conventional street lights to energy-efficient LED lighting, achieving a 75% reduction in energy consumption for public lighting by the end of 18 months.
- overseeing timely execution, managing permits, and providing access to sites for LED light installation.
- monitoring installation progress and ensuring compliance with regulatory standards for common area lighting automation.
- ensuring the provision of data access, infrastructure support, and citizen engagement for smart city applications.
- overseeing and validating the results for energy savings and financial benefits.
- establishing a comprehensive monitoring and reporting framework, including reviewing quarterly progress reports.
- launching a public awareness campaign to inform citizens and businesses about the project and engage at least 70% of the population in sustainability awareness efforts within the first two years.
- allocating public funds, coordinating EU grants, and allocating necessary human resources to oversee the project.

### **EUSIF SL EUSIF SL II TRIPOLIS** commits to:

- providing and installing energy-efficient LED lighting systems across the Municipality of Tripoli.
- automating the lighting systems in public spaces.

- implementing smart city applications for energy monitoring and urban management.
- successfully installing 12,777 LED street lights within 18 months.
- automating lighting in at least 50 communal spaces by the end of year two.
- deploying at least three smart city applications by the end of year three.
- being responsible for the procurement, installation, and testing of the LED lights.
- providing the necessary technology for lighting automation systems.
- being responsible for the development, integration, and maintenance of the smart city applications.
- ensuring energy savings meet the guaranteed targets through proper implementation and performance monitoring.
- submitting quarterly progress reports.
- allocating resources from its own budget for the procurement of technology and materials, managing the workforce, and ensuring systems are operational.
- establishing a long-term monitoring plan to track system performance throughout the 12-year contract period.