



SUDEP Nabeul



Istituto per la Cooperazione Universitaria ONLUS



الحيوان الوطني للتطهير
OFFICE NATIONAL DE L'ASSAINISSEMENT



الوكالة الوطنية
للتحكم في الطاقة
ANME



Société Tunisienne
de l'Electricité et du Gaz

MUNICIPALITY OF NABEUL: RENEWABLE SOLUTIONS FOR BASIC PUBLIC SERVICES

Nabeul, Tunisia

PROJECT COORDINATOR: ICU – Istituto per la Cooperazione Universitaria Onlus

BENEFICIARY: Municipality of Nabeul

PARTNERS: ONAS (The National Sanitation Utility), ANME (National Agency of Energy Conservation), STEG (Tunisian Company for Electricity and Gas)

SECTOR: Renewable Energies

DURATION: 24 months

TOTAL BUDGET: 1 250 000 €

EU CONTRIBUTION: 975 000 €

OVERALL OBJECTIVE: to contribute to the implementation of the initiatives promoted in the urban sustainable development field by local authorities.

SPECIFIC OBJECTIVE: to provide the municipality of Nabeul with the possibility to realize, replicate autonomously and demonstrate to the neighbouring municipalities, photovoltaic solutions that can be undertaken in order to ensure the electricity supply needed for the public water, public buildings and urban lighting use.

DESCRIPTION OF THE ACTION: In a joint consultation between ICU, the municipality of Nabeul and the local population it emerged that the city of Nabeul needs to improve the quality of the public services provided to the local population. In particular, the municipality needs to improve the quality of the basic services provided. The current situation is worsened by the always growing urbanisation and the consequent growth in energy demand. The parties have then decided to create a plan in order to ensure the energetic efficiency and to intervene in 3 primary domains: water sanitation, energetic self-sufficiency of the public buildings and public lighting. ICU and the municipality of Nabeul have drafted an action plan in order to address these primary needs.

ACTIONS TO UNDERTAKE:

Two solar power plants will be installed to produce additional energy (25%) for the WWTP S3 (Wastewater Treatment Plant), a part of the energy needed by the municipal building (50%) and energy required for the public illumination (about 100 street lights) of the city center. Thanks to the implementation of the 2 solar power plants the city will benefit of a constant furniture of energy, contributing to costs reduction for the local community. The population will dispose of clean water, the pollution deriving from the energy production will be significantly reduced, the personnel that will take care of the new plants will increase technical and management skills. Thus, this action will raise the awareness of the population about environment and renewable energies and in addition the city will benefit of a long term energy plan that will also be an example for other Tunisian Municipalities.



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