

SINERT

Integrating photovoltaic in traditional electricity networks



PROJECT TITLE **SINERT – Innovative solutions for the integration of renewable energies into the Tunisian electricity network**

IMPLEMENTATION PERIOD 06.08.2020 – 31.12.2022

ORGANISATIONS INVOLVED École Supérieure des Communications de Tunis (TN);
ACTIA Group Recherche et Développement en Informatique Appliquée (TN);
Istituto di ingegneria del Mare del Consiglio Nazionale delle Ricerche – CNR-INM (IT);
LAYER Electronics S.r.l (IT); Università degli Studi di Palermo – Dipartimento di Energia, Ingegneria dell’informazione e Modelli Matematici (IT)

PROGRAMME Italy – Tunisia
ENI CBC 2014-2020

TOTAL BUDGET 1.032.437,73 €



Renewable energy sources play an important economic and environmental role for the production of mixed electricity in Italy and Tunisia. The pilot actions of the SINERT project help to implement new techniques for the integration of photovoltaic renewable energy sources in medium and low voltage electricity networks of both countries to facilitate the network functionality and optimize their production and distribution capacities. The project creates a pilot site in Kerkennah (Tunisia) and assess the impact of the technology at a pilot site in Ustica (Sicily). The project also aims to develop and produce innovative products for bi-directional energy conversion, to implement new system protection algorithms and to install required telecommunications equipment on both sites.

OPEN INNOVATION



Project co-funded by the European Union

ECONOMIC DEVELOPMENT