



PROJECT

SG-SKILL

SKILL-BASED EDUCATION FOR SMART-GRIDS JOB PROFILES: THE KEY TO RENEWABLE INTEGRATION, FLEXIBILITY AND ELECTRIFICATION

SG-SKILL aims to address the growing skills gap in the Smart Grids sector by developing a European blueprint for skills, training, and education aligned with the needs of the energy transition.



Co-funded by
the European Union

This project has received funding from the European Union's Erasmus+ Programme under Grant Agreement N° 101246216.

15

PARTNERS

8

COUNTRIES

€4M

TOTAL BUDGET

48

MONTHS



IN ONE CLICK

Coordinator

UNIVERSIDAD
PONTIFICIA
COMILLAS

Programme

ERASMUS +

Period

2025 - 2029

Sector

SMART GRIDS

Web

-

01 Challenge

The rapid transformation of the energy sector driven by digitalisation, decentralisation and the integration of renewable energy sources is creating new and evolving skill requirements, particularly in Smart Grids. However, existing education and training systems often struggle to keep pace with these challenges. There is a significant mismatch between industry needs and the skills currently provided through higher education and vocational training programmes.

02 Solution

SG-SKILL addresses this challenge by developing a European Blueprint for skills in Smart Grids. The project identifies current and future occupational profiles and maps the associated skill needs across the energy value chain. Based on this analysis, SG-SKILL designs and pilots innovative higher education curricula and vocational education and training programmes, ensuring strong alignment with industry requirements. The project delivers scalable, flexible, and future-proof training solutions that support upskilling and reskilling the EU.

03 Impacts

SG-SKILL will deliver educational, industrial, and societal impacts. The project will modernise higher education and vocational programmes, improve employability, and support upskilling and reskilling across the energy sector. By increasing the availability of qualified professionals, SG-SKILL will enhance the competitiveness of European industry and contribute to the successful implementation of the energy transition and the objectives of the European Green Deal.