



RENEWABLE ENERGY

This sector develops and implements technologies that harness renewable energy sources, promoting sustainable power solutions for the future

KEY AREAS

Solar energy, wind power, hydroelectric systems, geothermal energy, energy storage solutions

Popular Careers

Urban Renewable Energy Planner, Energy Efficiency Consultant, Renewable Energy Systems Integrator, AI Energy Efficiency Consultant, Solar Farm Robotics Operator, Wind Turbine Automation Specialist, Battery Storage Solutions Analyst

Skills needed

Technical expertise, environmental knowledge, problem-solving, project management, and understanding of energy systems

Why it matters

Renewable energy reduces carbon emissions, addresses climate change, and creates sustainable power sources for communities.

Future look

The sector is rapidly growing, with green technology innovation and increasing demand for clean energy professionals



This project has been funded with support from the European Union. Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union and EU cannot be held responsible for them.



Co-funded by the
Erasmus+ Programme
of the European Union

URBAN RENEWABLE ENERGY PLANNER



They develop strategies for integrating renewable energy solutions in urban areas, ensuring efficient energy use and sustainability in city planning

Working conditions

Work in urban planning offices, government agencies, or energy consulting firms. May involve field visits to energy infrastructure sites and participation in policy meetings

Tasks

Assess renewable energy potential in cities, design smart energy grids, implement sustainability initiatives, and collaborate with policymakers on green urban projects

Skills

Environmental planning, problem-solving, data analysis, project management, and regulatory knowledge

Education

Degree in environmental science, urban planning, or renewable energy engineering

Opportunities

Work in government agencies, smart city projects, and environmental consulting firms

ENERGY EFFICIENCY CONSULTANT



They help businesses and institutions reduce energy consumption by analyzing energy usage patterns and recommending sustainable solutions

Working conditions

Work in offices, energy firms, or on-site at industrial facilities. Field visits to conduct energy audits are common. Some projects may require travel

Tasks

Evaluate energy consumption, propose cost-saving solutions, ensure compliance with energy regulations, and support the adoption of sustainable technologies

Skills

Analytical thinking, environmental awareness, technical expertise, problem-solving, and regulatory knowledge

Opportunities

Work in energy companies, sustainability consultancies, government agencies, and corporate sustainability departments

Education

Degree in environmental engineering, energy management, or sustainability studies