

RENEWABLE ENERGY ENGINEER

ALTERNATIVE LABEL

- ✓ renewable energy engineering specialist
- ✓ project engineer, PV array
- ✓ renewable power engineer
- ✓ renewables engineer
- ✓ industrial energy engineer
- ✓ asset engineer, renewable power
- ✓ project engineer, offshore wind
- ✓ renewable energy technology engineering adviser
- ✓ renewable energy technology engineering consultant
- ✓ renewable energies engineer
- ✓ renewable energy engineering expert
- ✓ renewable energy technology engineering expert
- ✓ renewable energy engineering consultant
- ✓ project engineer, energy efficiency
- ✓ wind turbine project engineer
- ✓ renewable energy systems engineer
- ✓ turbine engineer
- ✓ project engineer, renewables
- ✓ renewable energy engineering adviser
- ✓ renewable energy technology engineer
- ✓ renewable energy technology engineering specialist

DESCRIPTION

Renewable energy engineers research alternative sources of energy in order to design systems for renewable energy production. They strive to optimise energy production from renewable sources, and reduce production expenses and environmental strain. They design systems which focus on energy sustainability and efficiency.

REGULATORY ASPECT

To see if and how this occupation is regulated in EU Member States, EEA countries or Switzerland please consult the Regulated Professions Database of the Commission. Regulated Professions Database:

http://ec.europa.eu/growth/single-market/services/free-movement-professionals/qualifications-recognition_en

TECHNICAL SKILLS

ESSENTIALS

- ✓ adapt energy distribution schedules
- ✓ adjust engineering designs
- ✓ approve engineering design

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OPTIONALS

- ✓ analyse energy consumption
- ✓ assess project resource needs
- ✓ coordinate electricity generation

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KNOWLEDGE

ESSENTIALS

- ✓ civil engineering
- ✓ electrical engineering
- ✓ engineering processes

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OPTIONALS

- ✓ electric generators
- ✓ electrical power safety regulations
- ✓ energy market

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SOFT SKILLS



ADAPTABILITY

40%



CREATIVE THINKING

40%



CRITICAL THINKING

55%



PROBLEM SOLVING

70%



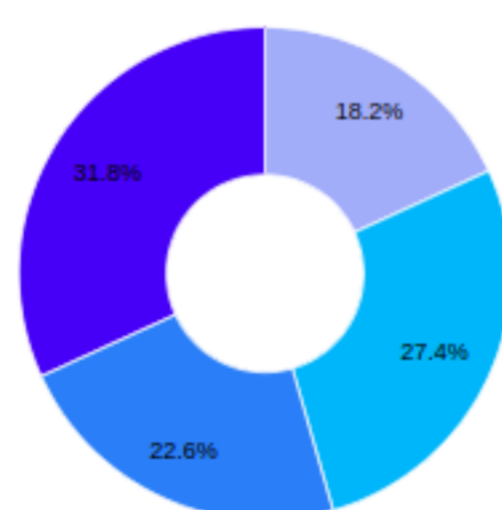
TEAMWORK

55%



WORK ETHIC

40%



- Social and linguistic skills
- Digital Skills
- Communication skills
- Organisation/Management skills

LEARNINGS

- UTBM – Energy Engineer
- Bachelor in Environmental and Land Engineering
- Master in Environmental and Land Engineering
- Master of Energy and Nuclear Engineering
- Renewable energy engineer