

# SOLAR ENERGY ENGINEER

## DESCRIPTION

Solar energy engineers design systems which generate electrical energy from sunlight, such as photovoltaic systems. They design and construct systems which optimise the energy output from solar power, and the sustainability of the production process of solar systems.

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



## TECHNICAL SKILLS

### ESSENTIALS

- ✓ adjust engineering designs
- ✓ adjust voltage
- ✓ approve engineering design

READ MORE +

### OPTIONALS

- ✓ assess financial viability
- ✓ calculate solar panel orientation
- ✓ design thermal equipment

READ MORE +

## KNOWLEDGE

### ESSENTIALS

- ✓ electrical engineering
- ✓ energy
- ✓ energy market

READ MORE +

### OPTIONALS

- ✓ electricity market
- ✓ fluid mechanics
- ✓ industrial heating systems

READ MORE +

## SOFT SKILLS



ADAPTABILITY

30%



CREATIVE THINKING

50%



DEPENDABILITY

50%



PROBLEM SOLVING

65%



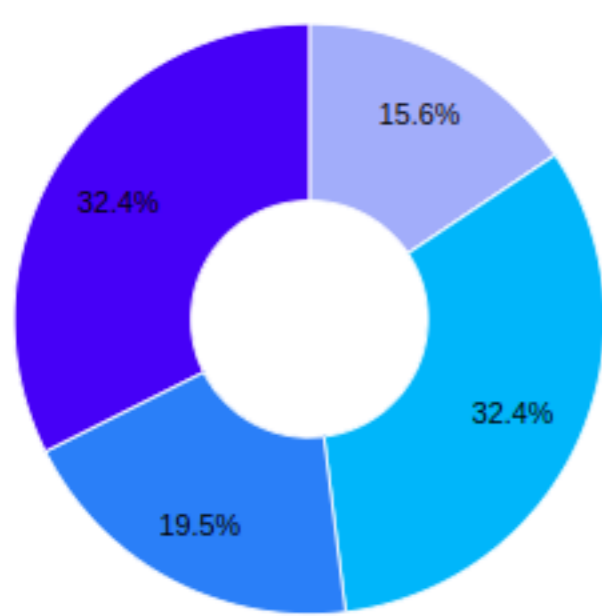
TEAMWORK

50%



WORK ETHIC

30%








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

## ALTERNATIVE LABEL

- ✓ solar power engineer
- ✓ solar energy technology engineering expert
- ✓ solar engineer
- ✓ solar energy technology engineering specialist
- ✓ solar energy technology engineering adviser
- ✓ solar energy engineering expert
- ✓ solar energy systems engineer
- ✓ solar energy technology engineer
- ✓ solar energies engineer
- ✓ solar energy engineering specialist
- ✓ solar energy engineering adviser
- ✓ solar energy engineering consultant
- ✓ solar energy technology engineering consultant

## LEARNINGS

-  HOU – Electric Engineer – MEAD Patras University
-  HOU – Electric Engineer – Peloponese University
-  Bachelor in Electrical Engineering
-  Bachelor of Energy Engineering
-  Master of Energy and Nuclear Engineering