

# ELECTRIC POWER GENERATION ENGINEER

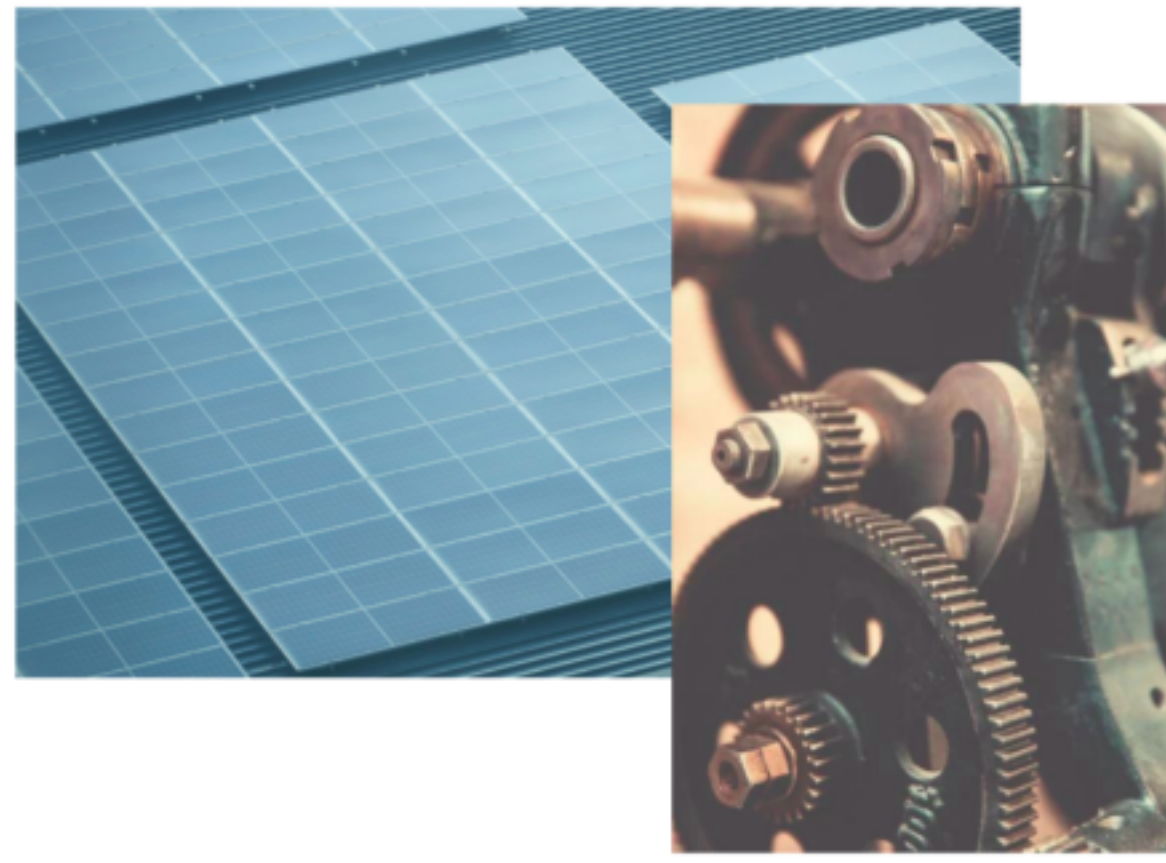
## DESCRIPTION

Electric power generation engineers design and develop systems which generate electrical power, and develop strategies for the improvement of existing electricity generation systems. They strive to conciliate sustainable solutions with efficient and affordable solutions. They engage in projects where supply of electrical energy is required.

## REGULATORY ASPECT

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[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
- ✓ approve engineering design
- ✓ develop strategies for electricity contingencies

READ MORE +

### OPTIONALS

- ✓ analyse energy market trends
- ✓ assess financial viability
- ✓ coordinate electricity generation

READ MORE +

## KNOWLEDGE

### ESSENTIALS

- ✓ electric current
- ✓ electric generators
- ✓ electrical engineering

READ MORE +

### OPTIONALS

- ✓ CAD software
- ✓ design drawings
- ✓ design principles

READ MORE +

## SOFT SKILLS



CREATIVE THINKING

35%



COMMUNICATION

50%



CRITICAL THINKING

35%



DEPENDABILITY

35%



PROBLEM SOLVING

50%

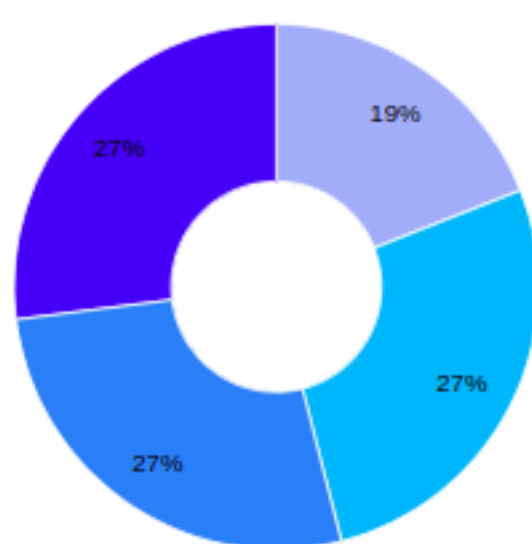


TEAMWORK

75%



## ALTERNATIVE LABEL

- ✓ production and electric power engineer
- ✓ gas generation engineer
- ✓ power plant project engineer
- ✓ power station engineer
- ✓ energy generation engineer
- ✓ control and electric power engineer
- ✓ quality and electric power engineer
- ✓ power supply engineer
- ✓ power generation networks engineer
- ✓ power generation systems engineer
- ✓ electric power plant project engineer
- ✓ electric power station engineer
- ✓ electric power supply engineer
- ✓ electricity generation engineer
- ✓ power plant engineer
- ✓ electric power plant engineer



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

## LEARNINGS

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