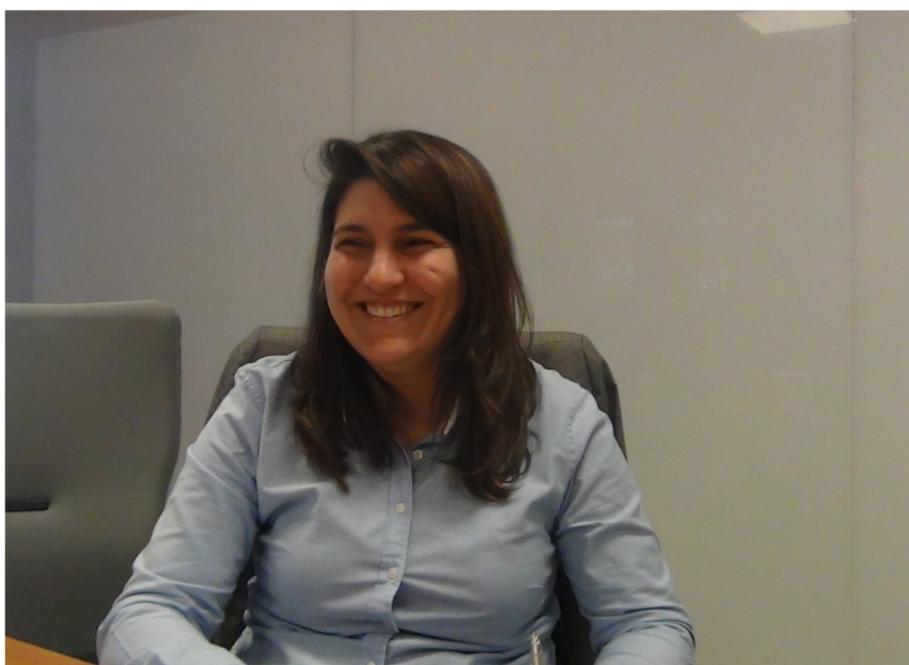


ENERGY EFFICIENCY ENGINEER

Everything You need to know about a career



Energy efficiency engineer is responsible for providing technical expertise and support in the development of energy conservation initiatives associated with energy distribution systems for residential, commercial and industrial clients. Energy efficiency engineer focuses on finding efficient, clean and innovative ways to supply energy.



Miriam Vazquez,
Product Engineer,
GENERAL ELECTRIC Company

SKILLS

Professional:

Scientific and Mathematic skills,
Analytical skills,
Technical/Engineering skills,
Writing, Reading Comprehension,
Presenting, Foreign Languages

Personal:

Teamwork skills,
Management and leadership skills,
Complex problem-solving skills,
Critical thinking skills,
Effective communication skills,
Customer service skills
Active learning skills

TASKS & RESPONSIBILITIES

The job description can vary depending on sector of industry:

[R1] Conducts energy audits to inspect, survey, model, and analyze the primary energy flows (mechanical, electrical and thermal) in existing residential, commercial and industrial buildings. The purpose is to reduce energy consuming and improve energy efficiency.

[R2] Assists the construction industry with the energy-consuming components, such as heating, ventilation, and air-conditioning (HVAC) systems; green buildings; lighting; air quality; or energy procurement.

[R3] Helps corporations developing energy-usage goals, and guiding, monitoring and mentoring their energy team to ensure those goals are met.



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INQUIRY LEARNING SPACE

<https://bit.ly/2mhKwMx>



HOW TO BECOME A ENERGY EFFICIENCY ENGINEER:

For Energy Efficiency Engineer jobs you have to have a bachelor's degree in engineering, applied science, environmental science, or a related scientific or technical field. A master's degree in one of these fields can increase your chances of getting a more creative job.

“If you could start all over again, how you would change your career path?”

There are a lot of new careers today related to industrial engineering. Perhaps, my career would still be industrial engineering, but I will also consider biomedical engineering, because I'm very interested in the medical part and give solutions, in the end. It's all a matter of I like to be able to provide solutions related to people's health. But I think that I will study again industrial engineering. This would be one of my first option

Miriam Vazquez,
Product Engineer
General Electric Company

HOW TO GET EXPERIENCE

- Summer Camps, e.g., Young Engineering Minds, European Space Camp, and so forth.
- Trastea Club, University of Deusto, Bilbao
<http://www.trastea.club/>

CAREER PROSPECT:

Corporate Social Responsibility, Renewable Energy Generation and Efficiency, Green Construction and Manufacturing, Recycling and Waste Reduction, Environmental Consultancies, Energy Efficiency Engineer Research, and so on.

WHICH SUBJECTS' KNOWLEDGE IS ESSENTIAL FOR A CAREER?

Energy efficiency engineering combines the fields of physics, math, and chemistry with economics and environmental engineering to increase efficiency and further develop renewable sources of energy.