

We've got the power

Meet our selection of engineers working to power our world and explore where a career in engineering could take you.



Yasmin Ali

Job: Chemical engineer

Employer: E.O.N.

What I do all day: I work with a team to extract gas from under the North Sea. We measure the rock structure below the seabed to figure out where the gas is trapped, then drill into the rock to get it out. We even create undersea facilities manned by robots.

Perk of the work: I love experiencing unique environments, like going offshore by helicopter and living in the middle of the sea on gas platforms.

In future, engineers like me...will continue to make sure people have enough energy to power their homes.

[Find out more about Yasmin's job](#)



Katie Fraser

Job: Design engineer

Employer: Culham Centre for Fusion Energy

What I do all day: I create designs for a new kind of power plant called a fusion reactor that works like a miniature sun to create energy.

Perk of the work: I loved art and design at school; now I get to use my creative skills every day.

In future, engineers like me...will provide the world with clean, limitless energy.

[What is fusion energy? Watch The Future of Fusion with ITER and ITER - in five minutes](#)



Monisha Gower

Job: Electrical engineer

Employer: National Grid

What I do all day: I design and build power substations that send electricity around the grid to your home. I make sure they have sensors, giant fuses and switches to protect the grid from problems like lightning strikes.

In future, engineers like me...will make sure people can turn their lights on and power their smartphones, computers, even electric cars.



Rebecca Martin

Job: Offshore wind research engineer

Employer: EDF Energy

What I do all day: Wind turbines out at sea are under a lot of stress. Bad weather can make them difficult to get to, so I use sensors to constantly monitor them and make sure the blades keep on turning

Perk of the work: I take trips out to sea and get up close to the wind turbines. I think they are a cross between a beautiful sculpture and an alien from War of the Worlds!

In future, engineers like me...will provide the world with clean, limitless energy.



Julie Rotchell

Job: Electrical power project manager

Employer: ABB

What I do all day: I manage teams of engineers who build the energy mega-systems that transmit power across cities, countries and continents.

Perk of the work: I work all over the world, from the US and Europe, to South Africa, South America and India.

In future, engineers like me...will help connect the 1.4 billion people who live without electricity in the world today to new sources of power, providing access to basic things like light and clean water.



Katrina Trigari

Job: Systems engineer

Employer: Culham Centre for Fusion Energy

What I do all day: I make sure nuclear power plants get the maintenance they need to prevent nuclear disasters, like when a tsunami hit a nuclear power plant in Japan.

In future, engineers like me...will design and look after safe nuclear power plants, and even new kinds of power plants to help power our world.

(Image credit: Valerio Trigari)