

GREEN FUTURES in THE NUCLEAR INDUSTRY

The Government's Civil Nuclear Roadmap describes how the UK could meet its existing target to generate up to 24GW of nuclear power by 2050 – supporting our net zero ambition and providing 25% of the nation's projected electricity demand. In our region, the Sizewell C nuclear power station in Suffolk is due to begin construction in 2024 and once completed will power 6 million homes for 60 years.

Job Roles with a green future

The construction of Sizewell C is a huge project – there will be new roles in many sectors generated by the project during the build phase – not just in construction and engineering, but in project management, health and safety, through to the service industries, such as catering and hospitality.

There are also specialist roles in nuclear energy, such as:

NUCLEAR ENGINEER

You could be designing components and building the nuclear plants, infrastructure and equipment of the future. Each new nuclear project re-uses some existing technology whilst introducing innovation as well.

NUCLEAR REACTOR OPERATOR

You could be responsible for the daily safe operation of nuclear facilities and associated turbine generating equipment, including managing reactivity. You might also safely take the plant into a transitional state, for refuelling.

NUCLEAR PROJECT MANAGER

You could be overseeing and directing projects at nuclear sites, taking into account critical safety issues and strict environmental considerations and regulations.

The Sizewell C nuclear power station in Suffolk will take approximately 10 years to complete and will support up to 70,000 UK jobs and 1,500 apprenticeships.

Sizewell C will be a close copy of Hinkley Point C, which is already being built in Somerset. Making a copy reduces construction and financing costs.

850,000 hours of engineering studies were undertaken as part of the rigorous four-year design approval process for the UK European Pressurised Water Reactor (EPR) design.

Local employment opportunities

The **Sizewell C Jobs Service** is a one stop shop for information on job roles on the Sizewell C project, both for existing professionals and those just embarking on their career journeys.

EDF is leading the Sizewell C project, and has local, regional and international job opportunities, both for existing professionals and those just embarking on their career journeys.

Be sure to check out **Young Sizewell C** online, which helps connect young people to regional in-demand career and apprenticeship opportunities, including specific information and opportunities for the Sizewell C project.

www.sizewellc.com/jobs

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Visit www.icanbea.org.uk or scan here to find out more about how you can begin a nuclear energy career, follow the link to information on careers advice and resources.

Sizewell – Nuclear History in the making

Sizewell A power station operated between 1966 and 2006. Now decommissioned, the site produced 110 TWh (400 PJ) of electricity in its 40 year operational lifespan, roughly enough to meet the domestic needs of all England and Wales for six months. Sizewell B, currently in operation, started producing in 1995 and is expected to contribute to the UK's energy mix until at least 2035.

With **Sizewell C** entering the construction phase in 2024, the area will continue to be a major nuclear hub for decades to come, with the latest project expected to contribute £4 billion to the region's economy.

DID YOU KNOW

As a generator of low-carbon electricity and heat, nuclear power stations can become hubs for other net zero technologies which require electricity, such as hydrogen production and direct air capture.

DID YOU KNOW

The UK currently has 9 commercial nuclear reactors operating across 5 power stations, producing around 15% of the nation's current demand and reducing our reliance on fossil fuels.