



SIZEWELL C

**Skills and opportunities
in the East of England**

Building better energy together





Sizewell C is the new nuclear power station proposed to be built on the Suffolk coast

It will help the country move away from polluting fossil fuels and will play a major role in fighting climate change. Sizewell C would be built next to Sizewell B, deliver low carbon power for 6 million homes and businesses and save 9 million tonnes of CO₂ emissions every year of operation.

Skills and education benefits to the local area

We want to maximise the benefits of Sizewell C for the local area. That means more jobs, more local business contracts, and more opportunities for local people to train, learn new skills, benefit from the project and develop a sustainable career.

It is an opportunity for people to make a 'Just Transition' from jobs in high carbon based industries into roles in low carbon energy generation. This is the 'Just Transition' where the big investment in a low carbon economy brings social as well as environmental benefits. Nuclear does both.

We will need thousands of workers to build the power station and associated developments

Once Sizewell C is operating we will need 900 people to join us to work at the station and keep power flowing to 6 million homes and businesses

Working with our Tier 1 supply chain we want to create at least 1,000 apprenticeships

What jobs are we creating?

It will take over 10 years to build Sizewell C and create thousands of local job opportunities.

During the early years of the project we will need civil construction workers including plant operators, labourers, scaffolders, steel fixers, welders, carpenters and concrete specialists. We will also need a range of roles to support the construction, including project managers, bus drivers and caterers to feed our growing workforce.

Civil construction activity would peak half way through year five of the project, with up to **3,600 civil construction workers** needed to help build the power station. At this point we could also require over **1,500 management roles** and **550 support roles**.

Following the peak of civil construction work, those roles will start to reduce and be replaced by **Mechanical, Electrical and Heating (MEH)** specialists. The peak of this work will happen during years 7 and 8 of the project and we estimate we will require up to 3,300 MEH roles on site at this time.

From Year 8 onwards there is a steady increase in operational roles required to run the power station. Once Sizewell C is complete, **900 skilled operational roles** will be required.





We have started to recruit our first apprentices and interns for the project

We have already recruited apprentices in Quantity Surveying, Project Controls and Civil Engineering. The apprentices study at either the University of the West of England or the University of Exeter and gain work experience at Hinkley Point C, the sister project for Sizewell C, which is under construction in Somerset. Once they have completed their apprenticeship they will begin work on Sizewell C.

Internships have been awarded to students from University of Suffolk and University of East Anglia. The paid placements with the Sizewell C legal department last for one year and on completion students return to University to complete their degree before starting their profession.



Making sure local people have access to jobs at Sizewell C

We are continuing to work with Suffolk and Norfolk colleges, training providers, universities and businesses through the Chamber of Commerce and the New Anglia Local Enterprise Partnership to maximise the opportunities for their involvement in Sizewell C. Collectively we aim to meet the nuclear sector target of a 40% female workforce; and maximise the opportunities arising from at least £100 million a year entering the regional economy during peak construction and £40 million per year during its 60 years of operation.

The jobs we are creating will build on construction, engineering, nuclear, logistics and support skills that are already strong in the local area and will act as a route into the main construction phases of the project. Many of the qualifications required are already catered for by further education colleges in the region and will provide a springboard for local people who want to develop a

sustainable career in construction or engineering. Where there may be gaps in local training provision, for example in heavy plant operation, civil engineering and mechanical trades, we will work with local providers to ensure that gaps for high demand roles are filled.

We recognise that some of our future apprentices and workforce are still at school. It is important to raise aspirations and awareness among young people to enable them to take careers in energy, engineering or construction. Through initiatives such as 'science in a box', and through programmes such as 'I Can Be A', which lets young people explore potential career opportunities across Suffolk and Norfolk, we will share and develop knowledge of future sustainable careers with young people and their parents, many of whom may not be aware of the opportunities provided by the project.

So how are we getting the region ready for all the opportunities Sizewell C offers?

- We are learning from progress made at Hinkley Point C in Somerset by working with our Skills Partners in Somerset, including Bridgwater and Taunton College and sharing that experience with our local educational institutions
- We are working with the New Anglia LEP and the local authorities to ensure we deliver significant legacy through integration with the broader skills and employment strategies of the region
- We are raising awareness of the breadth of roles that we will need through the Sizewell B Visitor Centre and working directly with local education providers
- We are recruiting apprentices to work with us at both Sizewell B and Sizewell C

Sizewell B Visitor Centre

We have a Visitor Centre at Sizewell with trained Guides who have welcomed over 40,000 people to learn more about the existing power station and Sizewell C.

The Guides not only welcome students to the station but also go to visit local schools. They met with 1,500 students at 12 schools and colleges during the public consultation for Sizewell C in 2019, including West Suffolk College, Alde Valley Academy, Ipswich Academy and Farlingaye High School.

Students said that jobs and training are what Suffolk students want from Sizewell C, with feedback like this from a Suffolk student who said that Sizewell C could provide "a long-term job in an area that I live in and an industry that I am interested in."

How can you find out more?

Through your local college or visit the Sizewell C website and follow us on Twitter or come along to the Sizewell B Visitor Centre.



@edfesizewellc



CASE STUDIES

Who are we working with at Sizewell C?

Bridgwater and Taunton College, Somerset

The Sizewell C team regularly meet with colleagues training workers for the Hinkley Point C project in Somerset. We look at the courses that local colleges, like Bridgwater and Taunton College, are delivering to ensure that local people can make the most of employment through training for Hinkley Point C. A report into the benefits already realised at Hinkley Point C shows that 1,700 people are employed locally – just two years into construction, and that more than 380 apprenticeships have already been created.

Terry Baxter, Chief Executive, Inspire Suffolk, said:

“Sizewell C gives Suffolk the opportunity to address some very real social issues that pockets of the county are living with. By delivering a clear education, skills and employment strategy, the power station will have a positive impact on the county and leave a meaningful legacy for those we regularly work with at Inspire Suffolk.”



West Suffolk College - Science in a box

Sizewell C and West Suffolk College are working together to deliver free ‘science boxes’ to thousands of primary school students.

The science boxes contain different components with each box giving resources for a single lesson using easy to get household items. They include ‘Cleaning copper pennies’ where the box contains five different liquids from vinegar to washing up liquid for the pupils to predict and then test which is most effective, and ‘Changing shape’ where the schools are provided with different solid objects to see if they change shape when squashed, bent, twisted or stretched.

The vital corporate funding was provided by Sizewell C to enable West Suffolk College’s pioneering primary science box project to continue in its growth and development. Thanks to Sizewell C, 16 schools will receive the groundbreaking boxes enabling practical science to make its way into primary schools so the children can immerse themselves from a young age. Science teachers in the schools taking part have been coached by Victoria Fiebelkorn, West Suffolk College Schools Science Coordinator and former Industrial Chemist.

Engineering Construction Industry Training Board and East Coast College

We are working with the Engineering Construction Industry Training Board (ECITB), East Coast College, East of England Energy Group (EEEGR) and New Anglia Local Enterprise Partnership (NALEP) to raise awareness of the breadth of jobs in STEM related industries.

Alde Valley Academy

Through research carried out by University of Suffolk, Suffolk Community Foundation and ourselves, we know that it can be hard for students in rural areas to get to school and college. We work closely with Alde Valley Academy and run work placements, STEM workshops and tours of Sizewell B. Many of our employees at Sizewell B went to school in Leiston themselves. It’s an important town to us and we want to work closely with the local schools to benefit local students. In 2019 we supported the school with funding for a new minibus to ensure pupils living in some of the most rural parts of the county can get to school. **Jim Crawford, Sizewell C Project Development Director,** said:

“We want to maximise the huge benefits in jobs and skills for local people working on Sizewell C which is why it is so vital we continue to work with local schools and colleges. We have a long-standing relationship with Alde Valley Academy, our nearest high school, so providing the minibus to ensure students living in some of the most rural parts of the county can access education was the right thing to do for the school and for us as a potential future employer.”



Suffolk Skills & Careers Festival and Norwich Science Festival

Sizewell visits the main education events across East Anglia, including the Norwich Science Festival and the Suffolk Skills & Careers Festival. The events are a great chance to find out more about what we do at Sizewell and the opportunities a new power station would bring to the region. Our virtual reality kit is available at the events so students can explore the Sizewell C site and find out more about the sorts of roles on offer.



University of Suffolk and University of East Anglia

Students from both universities have joined the Sizewell C project as legal interns to gain paid work experience to put their training into practice. The one year placement has led to students gaining successful full time jobs in local law firms following their graduation.

Lecturers and students from the University of Suffolk are helping Sizewell C understand what local people think of the latest consultation. The University was awarded the contract to conduct exit interviews at consultation exhibitions.

The exit interviews were an important measure to find out how easily people access and understand information about the project. **Dr Will Thomas, Professor at the University of Suffolk**, said:

“The Sizewell C exhibitions are a great way for our students to get real experience in conducting research for an industry on our doorstep. The timing has worked really well as the students are just about to embark on their module on research later this term.”

Inspire Suffolk and Access Community Trust

Sizewell C is working alongside two Suffolk charities to support communities around Leiston, Lowestoft and Ipswich. Access Community Trust operates from a base in Lowestoft with a community hub in Saxmundham and Inspire Suffolk works from centres in Lowestoft and Ipswich. Both charities are highly successful in delivering services for hard to reach groups in their communities and beyond, including the homeless, NEETs (Not in Employment, Education and Training) and those excluded from school and community life.

Sizewell C has joined forces with Inspire Suffolk and Access Community Trust to launch community hubs to tackle deprivation in skills, training and education in the county.

The new centres will provide a place for local people to access help and support on a range of issues.

Youth services and community support officers will be based across the centres and will offer guidance on well-being, education support, work readiness, work experience, employment support, schools outreach and housing.

The community hubs draw on the success of Sam’s Café in Lowestoft, a social enterprise café run by Access Community Trust, and Inspire Suffolk’s community centre in Ipswich. The centres have helped thousands of those most in need in Suffolk to turn their lives around.

CASE STUDIES

Could a career at Sizewell be for you?

“I went to an apprentice event where the team talked about building the first nuclear power station for 30 years – it was really interesting!

I really wanted a change in career to something that was a bit more hands on and this was an option that I didn’t even know was available. So far there have been loads of opportunities to grow as a person and to learn more skills for the future”.

Callum Matthews

Callum is from Bridgwater and went to school at Robert Blake Science College, only a few miles from the Hinkley Point C site. After attending an apprenticeship event, he was inspired to find out what a career as an apprenticeship at Hinkley Point C could bring. He now works for main civils contractor, BYLOR, as a formwork carpenter – a vital part of the concrete pouring process. A rising star on the project, Callum was a winner at the 2018 Bridgwater and Taunton College Apprenticeship Awards.



Building **better energy** together

CASE STUDIES

Manon Kinchin

Manon joined Sizewell B as an Engineering Maintenance Apprentice and following her graduation is now a Process Computing Engineer.

The role of a Process Computing Engineer involves complex fault finding, ensuring that the primary safety system is well maintained and that documents are kept up to date.

“I chose the nuclear industry because it would give me the hands on experience I wanted. I believe it is the most interesting industry in today’s modern society.”



CASE STUDIES

Beth Gant

Beth studied for her GCSEs at Westbourne Academy in Ipswich and went on to study Maths, Biology and Politics A-Levels at Colchester Sixth Form College. On gaining her A-Levels, Beth then decided to travel and work in retail whilst she thought about what she wanted to do for a long term career.

Beth discovered EDF Energy’s Engineering Apprenticeship programme and, following a successful application, started on the four year programme in 2016. She hopes to secure a job as a Technician at Sizewell B or with one of the company new build projects when she graduates in 2020.

“I knew I didn’t want to go to university after my A-Levels. I liked the idea of hands on learning so began to look into local apprenticeships.”



CASE STUDIES

Katie Bannister

Before joining EDF Energy’s graduate program, Katie studied a Master’s in Chemical Engineering with Industrial Experience at Manchester University and taught Maths and Physics in a secondary school for two years. She joined the nuclear industry following a work experience placement with EDF Energy’s Nuclear New Build business.

Now a qualified Reactor Operator at Sizewell B nuclear power station, Katie’s role is integral in keeping the lights on!

She advises anyone interested in working in the industry to visit one of the operating power stations.

“The Visitor Centre is a great way for people to meet Sizewell employees and to see and experience the business first hand.”



CASE STUDIES

Gary Jackman

Gary joined the EDF Energy Engineering Maintenance Apprenticeship in 2015 and is completing his training on site at Sizewell B.

A typical day for Gary involves routine maintenance of electrical equipment such as the switchgear, actuators, motor checks, transformers and occasionally fault finding jobs associated with equipment control circuits. Gary’s work ensures the power station operates continuously at peak performance.

“I chose to work in the nuclear industry to be able to do my bit towards having a positive impact on climate change and to ensure the lights are kept on all year round.”



photo credit: Archant (Sarah Lucy Brown)



HOW CAN YOU FIND OUT MORE?

Visits to Sizewell B can be made by emailing sizewellbtours@edf-energy.com or calling 01728 653974.

For more information about Sizewell C, contact:

☎ FREEPHONE 0800 197 6102*

🐦 @edfesizewellc

🖥 www.sizewellc.co.uk

✉ info@sizewellc.co.uk

📍 Sizewell C Information Office, 48-50 High Street, Leiston IP16 4EW

*Calls to 0800 numbers are free from UK landlines. Call costs from mobile and international numbers may vary.