

# Civil Nuclear Industry in the East

Vast economic  
opportunity  
on the UK's  
all-energy coast





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**5,600**

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# Sizewell C

***Sizewell C new nuclear power station is a £16-24 billion development project being led by EDF Energy and their partners China General Nuclear Ltd. The Sizewell C project offers a once in a generation opportunity to create economic benefits for the whole region as a catalyst for further growth and productivity.***

Located in Suffolk, on the region's all-energy coast, Sizewell C would be one of the biggest and most technologically complex projects to be built in the UK, with the potential to create long-lasting opportunities to drive economic growth and job creation.

Sizewell C would be one of the largest construction projects in the UK and would need a peak workforce of 5,600 people and 900 staff working at the

associated development sites once operational. Planned outages will provide even more opportunities during the operational phase.

The new build would create two reactors capable of generating enough electricity to supply approximately six million homes in the UK. EDF plan to build and operate the new power station on a site immediately north of Sizewell B. The stage 2 consultation on the proposals has just been completed.



# A Skilled Workforce



*The East of England boasts one of the best skills bases in the UK, developed over more than 50 years of expertise in the energy sector and a wide range of initiatives in partnership with the region's FE colleges and universities.*

## £35m

**of capital investment in college infrastructure**

New Anglia Local Enterprise Partnership has already made significant progress in aligning industry need with provision, generating innovative education and skills provision directly in response to current and emerging need through initiatives such as the New Anglia Skills Deals programme.

Significant capital and revenue funding has been secured and invested including £35m of capital investment in college infrastructure across Norfolk and Suffolk. One recipient of this investment is the new East Coast College that will soon begin construction of an Energy Skills Centre, raising the standard of training and delivering the future skilled workforce required to meet both existing industry needs and respond to the new large scale investments planned in wind and nuclear energy.

The Skills for Energy (SfE) initiative is a unique partnership, led by the East of England Energy Group (EEEGR) which represents more than 300 members in the energy sector. SfE works to ensure new recruits into the industry are trained to the highest possible standard with relevant skills to secure the sector's future needs.

The University of East Anglia runs a fulltime MSc in Energy Engineering with Environmental Management and a BEng / MEng in Energy Engineering, both of which are accredited by the Energy Institute. The significant dissertation is often linked to an energy industry partner.

By creating a pool of high quality, skilled, technical professionals to meet the current and future needs of the East. We are aiming to be a centre for global talent and business excellence.





# Decommissioning Opportunities

*There are sizeable opportunities for businesses wanting to benefit from entering the decommissioning supply chain.*

There is a

## £1.2bn

**budget for decommissioning at Sizewell A**

Sizewell A, managed by Magnox Ltd, is a twin reactor site which ended generation in 2006. The site is currently being decommissioned, and in the Care and Maintenance (C&M) preparation phase which focusses on decommissioning and deplanting building and retrieving, treating and processing any waste in order to be prepare for the site for C&M. There is a £1.2 billion budget for decommissioning Sizewell A.

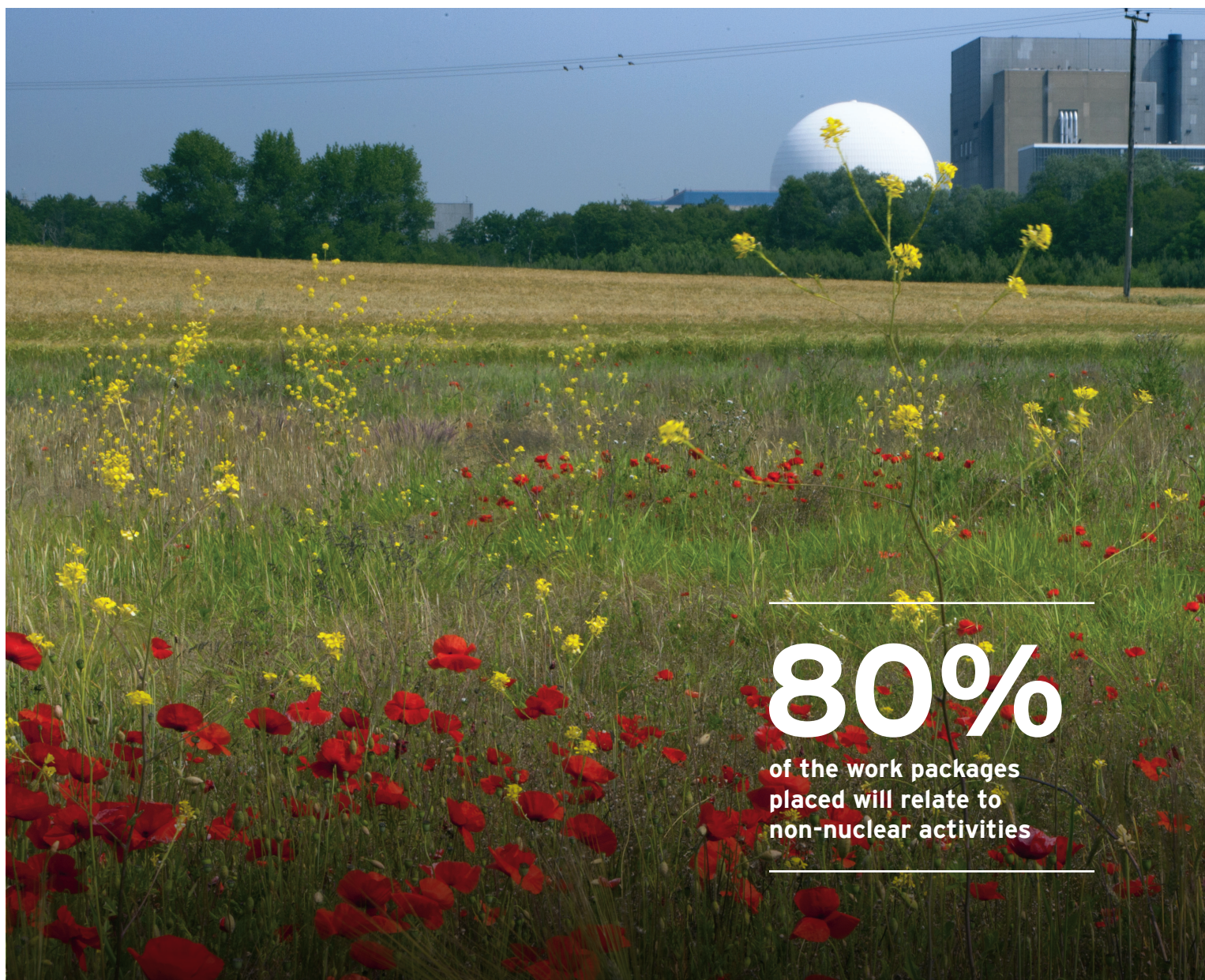
Sizewell B, the UK's only Pressurised Water Reactor, is operated by EDF Energy. It has been generating electricity since

1995 and employs 520 full time EDF energy employees and over 250 full time contract partners. The estimated decommissioning date for Sizewell B is 2035.

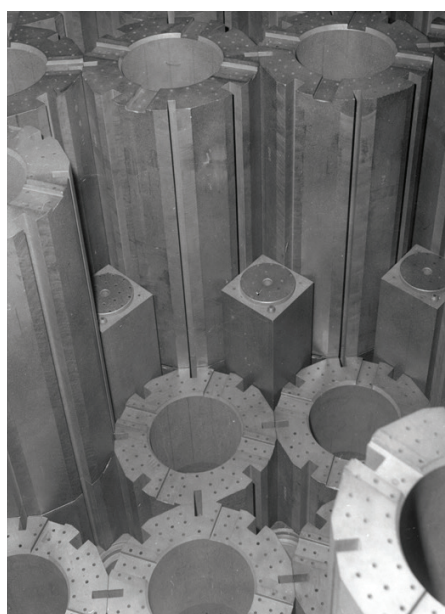
There are further opportunities in nuclear decommissioning at Bradwell in Essex, where the Magnox nuclear power station ceased generation in 2002. The site is more than half way through a programme of work, close to beginning the C&M phase.







**80%**  
of the work packages  
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non-nuclear activities



## Supply Chain

The Sizewell C project provides businesses with considerable opportunities to deliver goods and services during both the construction phase, and once the station is operational. There will be opportunities for businesses of all sizes and from a range of sectors. Typically, in relation to new nuclear activities, 80% of the work packages placed will relate to non-nuclear activities. Once in this supply chain, companies will be able to exploit other national and international opportunities in the sector, beyond the building of Sizewell C.

EDF Energy, through their nuclear new build operation, NNB GENCO, have come together with Suffolk Chamber of Commerce to create a trading platform allowing Tier 1 & 2 companies to easily engage with local SMEs.





# Why invest in the East?



Connected better than ever before and with huge infrastructure investment in road and rail. The rail network will benefit from the delivery of 1,043 brand new trains by 2020, significantly reducing journey times from London to Ipswich and Norwich and beyond.



Ambitious, creative and talented business leaders, highly skilled employees and excellent links with universities and college partners.



***Our region already has the resources and infrastructure to help you compete and win on a global stage:***

Two Enterprise Zones, one all-energy cluster around Great Yarmouth and Lowestoft, and a new Space to Innovate zone spanning ten sites across Norfolk and Suffolk, both offering excellent benefits including a business rate discount of up to £275,000 over five years, a simplified approach to planning and access to Superfast broadband.



A key part of our ambition to transform the local economy into a global centre for talent and innovation is to provide a wide range of financial and in-kind support for businesses that want to invest and grow, from start-ups and SMEs to large businesses.



# Wider Opportunities

*Suffolk offers a unique energy proposition as part of the East of England Energy Zone. Unrivalled in the UK for its unique mix of wind power, gas and nuclear energy production, the supply chain has 50 years of experience and expertise, recognised with Enterprise Zone status.*

For more than 50 years, the region has been home to the UK's offshore natural gas basin with a vibrant service-based supply chain. The region sits at the heart of the world's largest market for offshore wind deployment. Nuclear power facilities are being decommissioned and new sites are being developed. The East has an energy business worth billions, and the opportunities for growth and diversification in the region are many and varied.



## Why Invest in UK Nuclear?



- With the UK Government's confirmation of Hinkley Point C, it is clear that nuclear is regarded as a hugely important and growing segment of the UK's energy portfolio and as such, a major catalyst for growth.
- The UK has one of the largest nuclear build portfolios in Europe, with significant future opportunities with new build nuclear in the south with Hinkley Point C underway and, Sizewell C and Bradwell B potentially in the future. Experience as a supplier to these projects could unlock significant opportunities internationally.
- The East is an ideal base from which to service nuclear contracts across the UK and Europe



*For any Nuclear East opportunities,  
please contact Invest in Suffolk on:*

**(0)1473 264899 or  
info@invest.suffolk.com**



**NEWANGLIA**  
Local Enterprise Partnership  
for Norfolk and Suffolk

**East Suffolk**  
Suffolk Coastal and Waveney Councils  
In Partnership

