



CLEAN ENERGY

**ELECTRIFYING
POTENTIAL**

NORFOLK'S ENERGY SECTOR — ELECTRIFYING POTENTIAL

Norfolk is the UK's energy county: powering millions of homes, driving national energy security and delivering the skills, innovation and infrastructure needed to deliver the UK's net-zero and energy security targets.

Home to the most diverse energy portfolio in the country, our coastline, ports, engineering expertise and world-leading energy ecosystem position Norfolk as a leader in the UK's transition from fossil fuels to clean energy.

FOUR THEMES CAPTURE THE SCALE AND AMBITION OF THIS SECTOR

1. COMPETING GLOBALLY

- Norfolk's energy sector underpins the UK's power supply and is leading the way in renewable energy. As a hub for offshore wind, hydrogen, solar, carbon capture and clean-tech innovation, Norfolk businesses go beyond power generation. Drawing on a deep engineering heritage, they are developing sustainable, clean-energy technologies that are revolutionising the global energy landscape.
- Bacton Gas Terminal manages around **30% of the UK's gas supply**, giving Norfolk a unique dual role at the heart of today's energy system and tomorrow's hydrogen and CCUS economy.
- The wider region, including Norfolk, services **52%** of the UK's offshore wind capacity and hosts the world's largest concentration of offshore wind projects within 100 miles of Great Yarmouth and Lowestoft¹.



2. WORLD-CLASS INNOVATION

- Norfolk is delivering a multi-billion-pound clean-energy transformation at pace, with **£39bn** of clean-energy investment forecast over 20 years, driven by major offshore wind projects such as Vanguard, Boreas, Sheringham Shoal and Dudgeon extensions¹.
- By **2030**, Norfolk will lead the UK's first offshore wind decommissioning at Scroby Sands, unlocking a new industrial market.
- Pioneering research institutions underpin Norfolk's energy sector, including the Tyndall Centre for Climate Change, EEEGR and Standard Gas. Collaboration and partnerships with CEFAS, Orbis Energy and Adastral Park, fuel breakthroughs in climate modelling, marine monitoring and data-led operations.
- Great Yarmouth's Operations & Maintenance Campus already generates **£1.8bn in GVA**, demonstrating the economic power of clean energy investment.
- The county's substantial agri-food sector presents a significant opportunity for Norfolk to lead the charge in bioenergy, with one of the UK's largest animal waste biomass stations near Thetford and a new straw-fed biomass plant at nearby Snetterton.

3. ENERGISING CAREERS

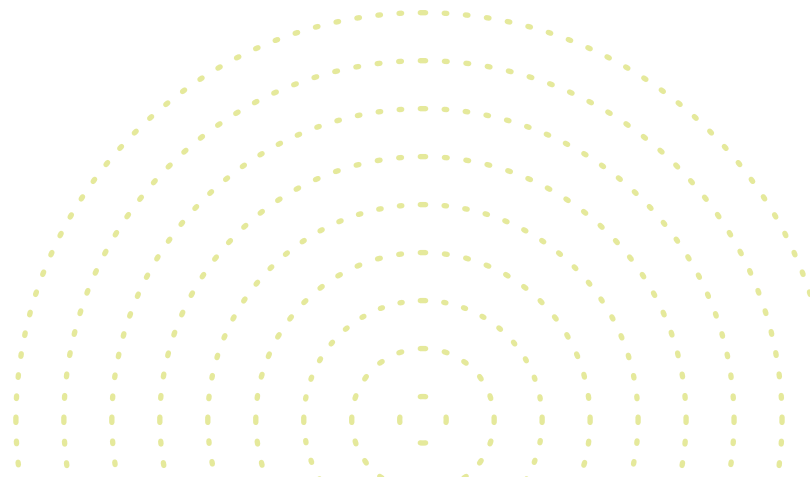
- Clean energy is creating long-term, high-quality careers across Norfolk.
- Offshore wind alone will require more than **6,500 additional roles by 2030**, with the peak workforce estimated to reach more than **11,000 by 2029²**.
- Norfolk's skills infrastructure, including East Coast College's Offshore Wind Skills Centre, University of East Anglia's energy engineering degrees and the forthcoming **£4.4m** Productivity East hub, creates a strong pipeline of homegrown talent ready to deliver national priorities¹.

4. A CONNECTED SUPPLY CHAIN

- A deeply rooted supply chain, supported by EEEGR, EastWind and Generate, delivers global projects from design through to decommissioning¹.
- World-class maritime facilities, including Great Yarmouth port, support the fabrication, assembly, operation and maintenance of flagship offshore wind projects, positioning Norfolk for long-term global opportunities.
- Community Benefit Funds operated by Ørsted, RWE and Equinor invest millions into local skills, biodiversity and community resilience, ensuring the energy transition benefits people across Norfolk¹.
- Norfolk's regional supply chain is rich in history, with proven competences in construction and operating. We are leading the way in the export of products and services to the rapidly growing global offshore wind sector.

£39BN
OF CLEAN-
ENERGY
INVESTMENT

£1.8BN
IN GVA



WHAT THE NORFOLK CLEAN ENERGY SECTOR NEEDS

- 1 Recognition in national policy as strategically essential to the UK's future energy resilience.
- 2 A streamlined national consenting system for offshore wind, solar, hydrogen and CCUS that quickens delivery and reduces investor risk.
- 3 Accelerated infrastructure investment in ports, roads, rail and grid to enable next-generation local turbines, hydrogen hubs and Bacton's rejuvenation, while removing barriers to clean energy adoption.
- 4 A coordinated, funded skills plan to address workforce shortages and expand training capacity in priority areas.
- 5 Long-term support for supply-chain growth, ensuring Norfolk's SMEs can compete, innovate and capture value from UK and global clean-energy markets.

By harnessing its assets, skills and ambition, Norfolk is uniquely positioned to support the nation's energy goals while generating lasting local opportunity.

Sources: 1. East England Clean Energy Prospectus,
2. Skills report, Powering the future

