



Routes into Engineering

21 June 2023

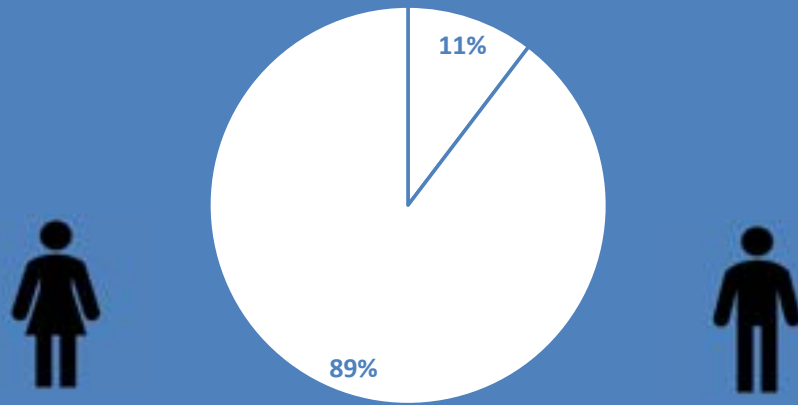
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Agenda

- Why we are here today
- Energy Transition and the Humber
- Intro to Centrica
- Overview of routes into engineering
- Free resources
- Discussion – how can we best support you?

Female Statistics

FEMALE:MALE RATIO 2022

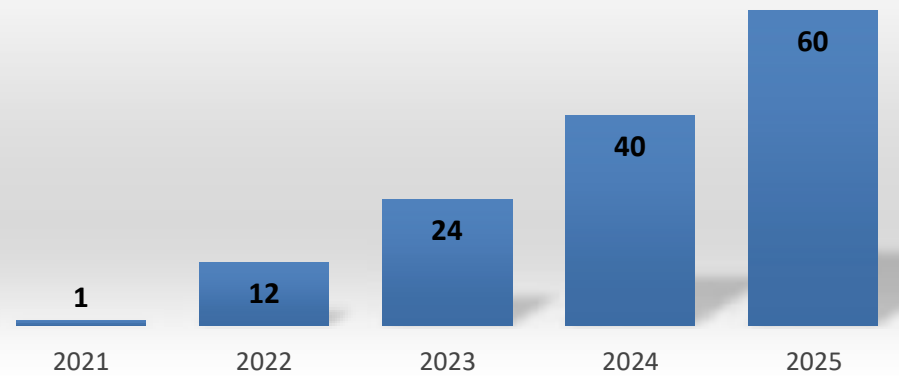


11% of CATCH apprentices are female

In the UK currently women make up 14.5% of all engineers, and just 7.4% of all engineering apprentices.

Target of 16% female apprentices by 2025

Female Apprentice Projected Growth





The Humber is the largest industrial decarbonisation opportunity in the UK



80%
OF HUMBER CO₂ EMISSIONS ELIMINATED VIA DECARBONISATION PROJECTS

THE HUMBER CAN MEET 50% OF THE UK'S RENEWABLE POWER NEEDS

1 in 10 regional jobs will be safeguarded and thousands of new jobs created by decarbonising the Humber



80% of the UK's licensed CO₂ storage capacity is accessible from the Humber



The Humber has hydrogen storage capacity to power **2 million** UK homes for 1 year

£15BN

private investment ready to be invested in Humber-based energy transition

30% of UK Government H₂ production targets can be met by the Humber

Helping you live sustainably, simply and affordably

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Our People & Planet Plan

Supporting communities, our planet and each other

<h3>People</h3> <p>Supporting every colleague to be themselves to better serve our customers and communities</p>	<h3>Planet</h3> <p>Supporting every customer to live more sustainably</p>
<p>We want to:</p> <ul style="list-style-type: none"> • Create an engaged team that reflects the full diversity of the communities we serve by 2030¹ • Recruit 3,500 apprentices and provide career development opportunities for under-represented groups by 2030 (1,000 apprentices by the end of 2022) 	<p>We want to:</p> <ul style="list-style-type: none"> • Help our customers be net zero by 2050 (26% GHG intensity reduction by the end of 2030) • Be a net zero business by 2045 (40% GHG reduction by the end of 2034)
<p>Inspire colleagues to give 100,000 days to build inclusive communities by 2030 (20,000 days by the end of 2022)</p>	
<p>Doing business responsibly Underpinned by strong foundations that ensure we act fairly and ethically – from customer service to human rights</p>	



Centrica - Locally



47/3B Offshore Platform ~30km off the Easington coast



Woodland House Offices, Hesse

- Centrica Storage Limited operate the Rough gas storage facilities – currently providing 50% of the UK natural gas storage capacity providing energy security
- Currently assessing repurposing to a hydrogen storage facility which would create over 2,000 jobs in the Humber region during construction and retain hundreds of high-skilled, long-term jobs at the facility
- Typical roles at our Offshore and Onshore assets include Operations and Maintenance Technicians
- The assets are supported by Engineering resources based at our Hesse offices
- Our HR, Finance, Procurement, IT, Project and Health and Safety teams are also based at the Hesse office



Processing Terminal, Easington

Routes into Engineering

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Open for applications

Year in Industry

Take some time out from studying and put your learning into practice! Our Year in Industry placement offers you the chance to take advantage of the opportunities at a FTSE 100 company like ours!



Open for applications

Summer Internships

We are looking for talented undergraduates to get a head start with their career. We offer you the opportunity to work on real projects with real responsibility, while benefiting from a wide support network.



Applications open in December

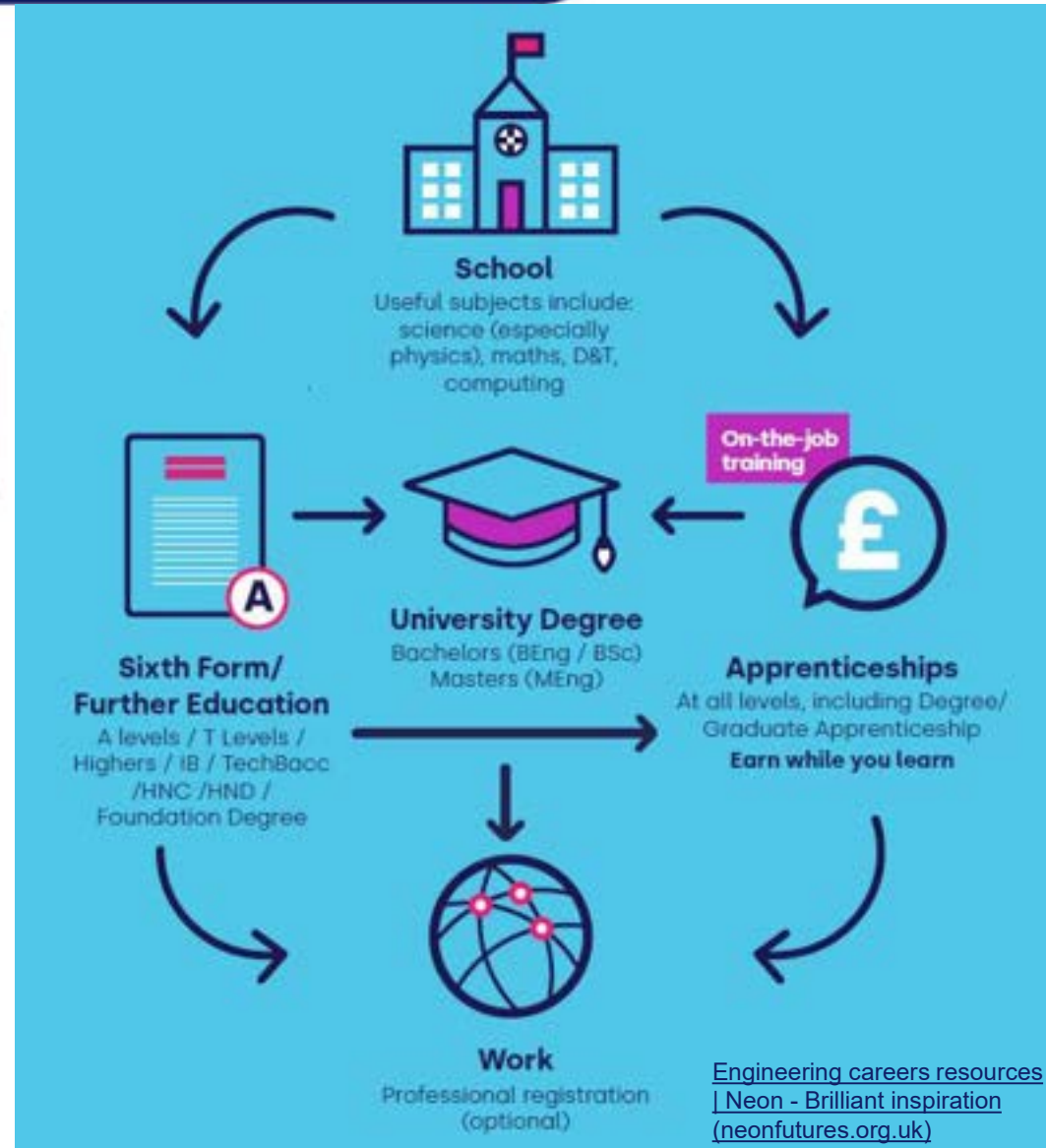
Apprenticeships

Whether you're 16, or an experienced professional seeking a change of direction, there's an opportunity for you on one of our award-winning training and apprenticeship schemes.

Graduates

At Centrica, we want to attract a broad range of talent which reflects our customers in all their diversity. Through our rotational programmes, you'll work across a range of our brands and business units to drive changes, guide teams and challenge the status quo as we transition to a Net Zero future.

Graduate Programmes



[Engineering careers resources](#)
[| Neon - Brilliant inspiration](#)
 [\(neonfutures.org.uk\)](http://neonfutures.org.uk)

Technical Apprenticeships

Apprenticeships combine practical training in a job with study. As an apprentice you'll be an employee earning a wage, gaining hands on experience whilst working towards a qualification.

To start an apprenticeship, you'll need to be:

- 16 or over - no age limit
- living in England
- not in full-time education.

An applicant's registration process:

- Register interest with catch directly (opens November)
- Catch confirm a student meets the minimum criteria - GCSE 4 (C equivalent) in maths and English
- Invited to Catch for Stage 1 – Testing sessions, Maths and Reasoning paper
- Invited to Catch for Stage 2 – pre interview

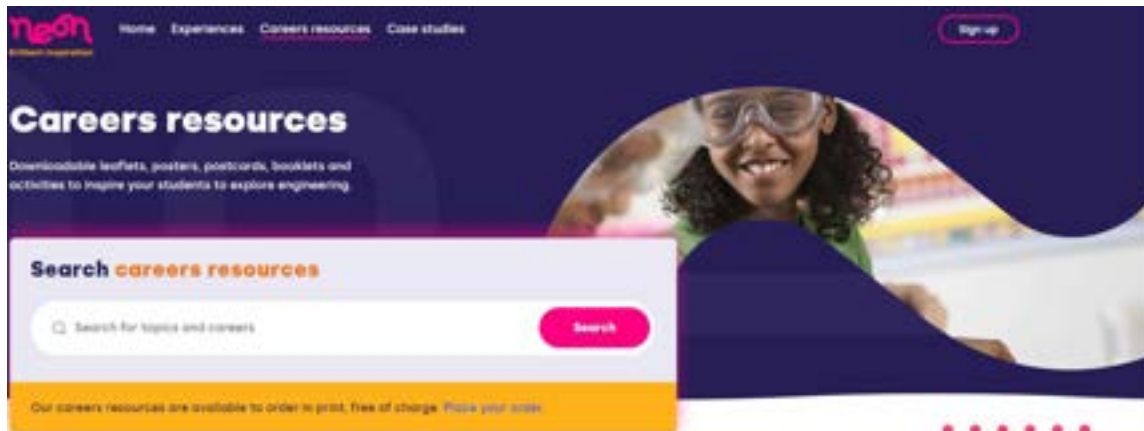
Employer Recruitment Event – those registered are invited to attend an Employer Event to have the opportunity to meet with all companies offering apprentices with Catch (February)

Following the 'Event' the Government's **National Apprenticeship website** will be open for 2 weeks and applicants can then apply for an apprenticeship with a specific company (they can apply to as many companies as they choose, no limit).

If selected for an interview, these will be held in April half term.

Free Resources

- Neon brings together the UK's best engineering experiences and inspiring careers resources to help teachers bring STEM to life with real-world examples of engineering.
- Funded by EngineeringUK and Shell Centenary Scholarship Fund



Engineering careers resources | Neon - Brilliant inspiration (neonfutures.org.uk)



Engineers Making a Difference (engineers-making-a-difference.com)

A promotional graphic for 'Engineers Making a Difference'. It features a blue background with a globe icon on the left, a white airplane on the right, and a dark blue box with the title 'ENGINEERS MAKING A DIFFERENCE' in white. The main text describes the project's focus on climate change, fusion energy, and the diverse world of engineering. It mentions that the kits, which include two copies of the book, 12 posters, a 4m-long timeline wall chart, and a Teacher's Guide, are available in schools. At the bottom, there are two illustrations: one of two people working with a solar panel on a cart, and another of a person using a microscope.

How can we best support you?

Our Aims:

Improve understanding and knowledge of career opportunities in engineering and how to get there

Improve the diversity of candidates that apply for opportunities in engineering

