



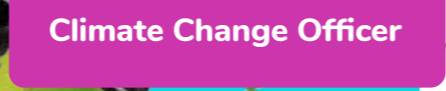
SCAN ME
for info



Sustainable Fashion Designer

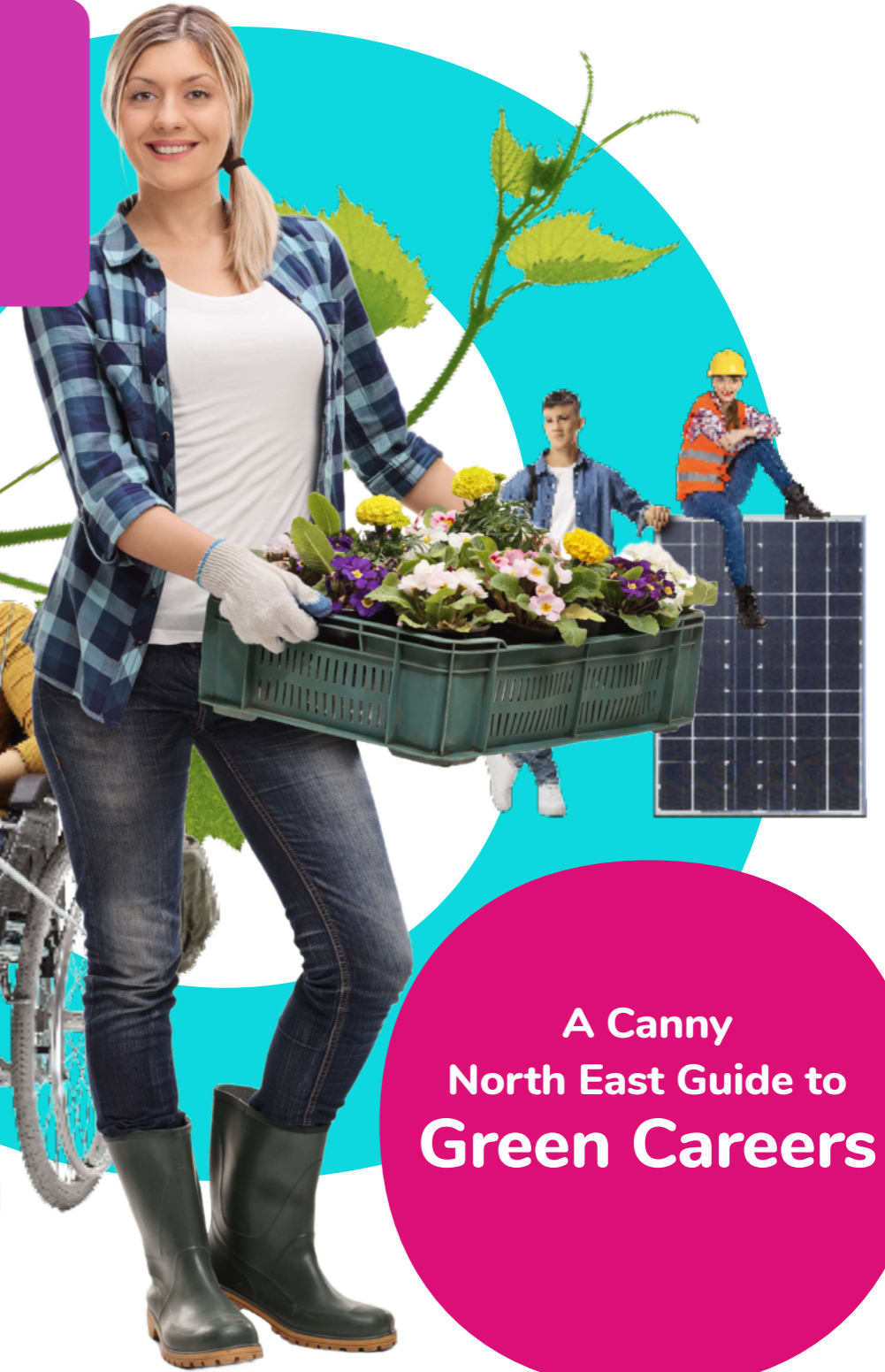


Wind Turbine Technician



Climate Change Officer

How to find
a job fit for
the future...



A Canny
North East Guide to
Green Careers






GO
ZERO!
NEWCASTLE

Developed as part of Newcastle City Council's Go Zero
programme for Green Careers

www.newcastlecareers.org.uk

climatechange@newcastle.gov.uk

Check out our guide to green careers

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What are green jobs?



Green jobs are jobs that help the environment
They do this by protecting, enhancing, or conserving it

All jobs can be green jobs
All jobs can support the green transition through adapting their products and processes to help tackle climate change

Green jobs are essential for tackling climate change

We need green jobs as they will reduce the impact of climate change. They will also help us find new sustainable ways of living and help adapt to the change global warming is causing.

[Click here to find out more about climate change by watching this video](#)

[Click here to find out why climate change affects you in Newcastle](#)

Why choose a green job?

1

Higher wages

Having a green job means you often earn more money than non-green jobs.



Average wage in the UK green economy
£657.53
a week after taxes.



Non-green job average wage
£530.14
a week after taxes.

2

Great opportunities in the North East

There are many different green jobs available in the North East.



The largest green sector employers in the region include Nissan, EQUANS, Siemens, SUEZ and Baker Hughes.

4

A job making a difference

Working in the green sector will help to tackle climate change.



It will also help improve the lives of local communities and the environment.

6

Transferrable skills

You can gain key skills.



Many of the skills you learn working in the green sector can be transferred to other sectors and jobs.

3

A growing sector

There are currently...

By 2030 it is expected there will be...



11,418
green jobs in the region



41,924
green jobs in the region by 2030

5

A job for everyone

The skills and opportunities in the green sector are available to anyone.



There are many jobs available in the green sector which are inclusive for all, from entry-level jobs and apprenticeships to management.

You can follow any pathway to a green job

Hear how people in the North East got there.

Apprenticeships



Tom Bates
Service Operations Manager, Siemens Gamesa UK

I oversee the daily operations of the North England Onshore Hub, totalling over 400MW of power output across 30 wind farms.

- I never wanted to attend University, I always wanted to take the route of a hands-on apprenticeship
- Wind Turbine Technician Apprenticeship in 2011
- Authorised Technician for 4 years
- Progressed to Service Team Leader in 2018
- Regional Supervisor for East of England
- Currently Service Operations Manager for North of England

“Looking back to when I started my career as an Apprentice in 2011, I always knew I wanted to climb the ladder, and there’s no better industry to do that than the Renewable sector.”



Higher Education



Maddie Benton
Biodiversity Technical Officer, Environment Agency

I advise on wildlife legislation and assess permits for projects that are near, or may affect, rivers and other protected habitats and species in Northumberland.

- Biology, Chemistry, and Maths A-Levels
- Ecology and Wildlife Conservation Degree
- Worked with skilled researchers, ecologists and rangers all over the country.
- Joined the Environment Agency in 2023

“Our overall aim as a team is to improve the quality of rivers, and to protect and conserve the wide range of wildlife that depends on river habitats”.

Straight into Work



Anna Wadcock
Hotel General Manager, The Maldron Hotel

I manage The Maldron Hotel - a 265 room 4-star hotel in Newcastle. The Maldron has achieved Gold in the Green Tourism Award three years running.

- Began as a casual receptionist.
- Worked up through the ranks at various hotels.
- Now the General Manager of the Maldron Hotel









“Guests today are now looking to book hotels that are actively working to reduce their carbon footprint and giving guests a ‘greener’ stay, so businesses that drive this are becoming more popular.”

How do I get there?


Once you've finished your GCSEs or A-Levels / BTEC, there are lots of different options for you to work or study in the green sector.



Green sectors

-  Construction and engineering
-  Creative arts
-  Science
-  Technology
-  Law, education and humanities
-  Outdoor environment
-  Business
-  Sector directory

You can go green in...

-  Hover over sectors to see employers with green jobs within the North East. Each sector displays employers and their locations.
-  For further information and a full list of employers visit our website www.newcastlecareers.org.uk



Construction and engineering

There are many exciting and varied green jobs within construction and engineering. The North East has always had a strong tradition in construction and engineering. You can continue this by designing, making, and building the houses, energy and vehicles of the future - from renewable energy to electric cars. You can work in an office, a factory or on a construction site – there’s a job for everyone.

Skills

- Physical strength
- Detail orientated
- Teamworking
- Endurance

Interests

- Working with tools
- Practical work
- Designing and making products
- Built environment

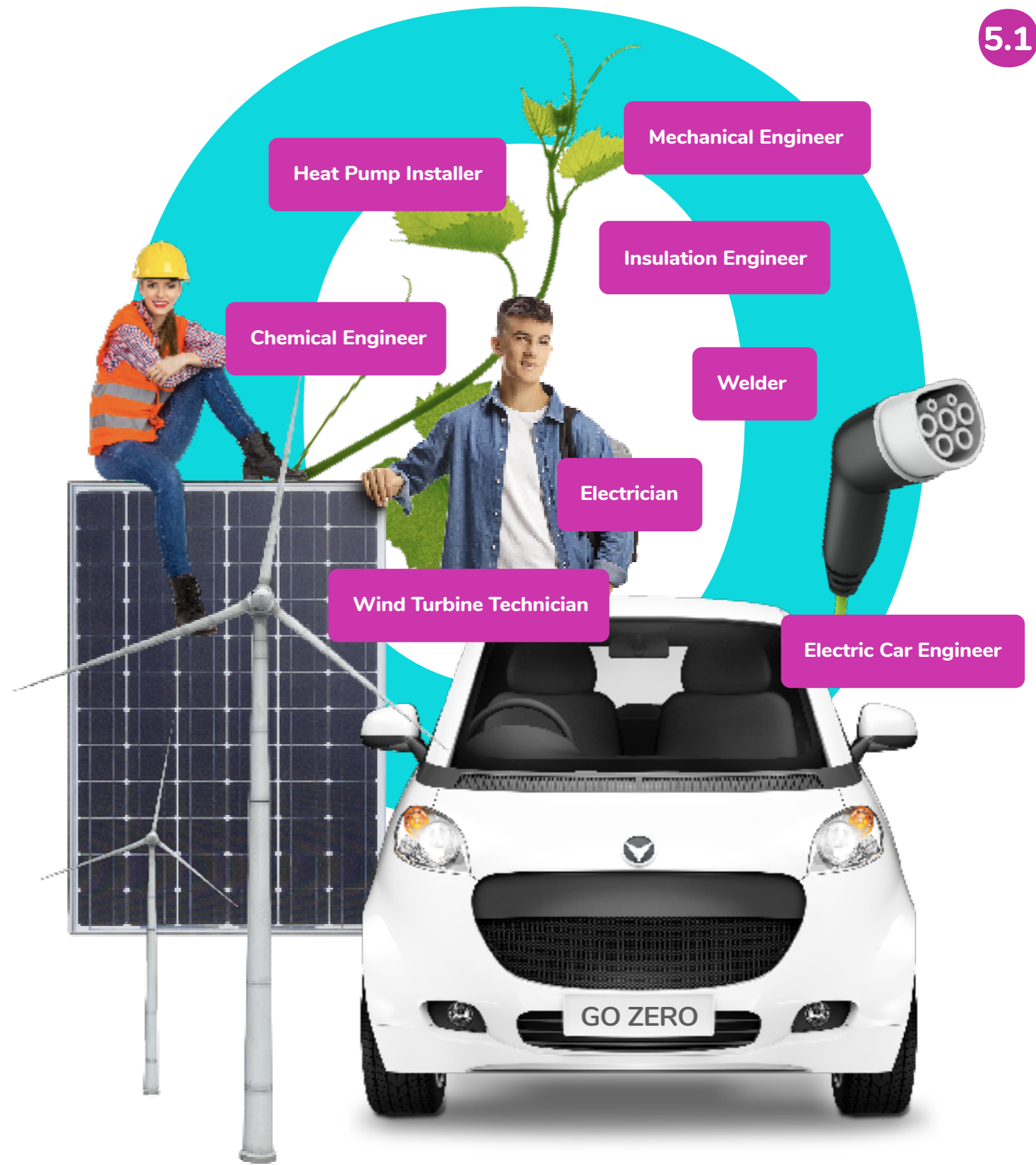
Where next?

- 🔗 [Green engineering careers - students | Neon - Brilliant inspiration \(neonfutures.org.uk\)](#)
- 🔗 [Construction and the built environment - Green Careers Hub](#)
- 🔗 [Careers - Blyth STEM Hub, Energy Central \(stem-energycentraluk.co.uk\)](#)



Rose Miller
Apprentice Site Manager, EQUANS

“During my apprenticeship at EQUANS, I have been on a project called Shieldfield Towers. Working within sustainability allows me to make a positive impact on society by promoting eco-friendly practices and creating a more sustainable world for all. It’s a rewarding field that combines environmental consciousness with the opportunity to drive meaningful change.”



Creative arts

You could work in the theatre, within music, write or act to communicate powerful messages about climate change. To make the world more sustainable, story-telling and messaging are essential. Jobs in the creative sector often inspire change through emotive theatre, dance, art and music. If you like designing, you could work as a graphic designer or even as a fashion designer to grab everyone's attention.

Skills

- Communication
- Creative thinking
- Confidence
- Open-mindedness

Interests

- Art and design
- Drama
- English
- Music

Where next?

- 🔗 [Creative Careers - Youth Employment UK](#)
- 🔗 [CreativeCareer-Publication-2022-Campaign-15thSept-Proof02.pdf](#)
- 🔗 [Creative Industries and the Climate Emergency: The Path to Net Zero](#)
- 🔗 [Roles in film, TV, games, animation and VFX - ScreenSkills](#)



Brad McCormick
Artistic Director, Cap a Pie

"I plan and deliver theatre, creative and philosophical workshops for primary school aged children. The subjects can range from the climate crisis to global insect decline. We want young people to think about really big questions, to be creative, have fun, work together and express their opinions."



Science

If you love gathering evidence, carrying out research and coming up with new ideas to solve problems, this could be for you. Working within science will help to protect our native plants and animals, find new ways of growing our food and defend our local communities from the effects of climate change.

Skills

- Good with numbers
- Problem solving
- Critical thinking
- Practical working

Interests

- Maths
- Nature and wildlife
- Research
- Innovation

Where next?

- 🔗 [Health & Science Careers - Youth Employment UK](#)
- 🔗 [Discover Green Jobs for Nature - Get that Green Job](#)
- 🔗 [Key Conservation Roles | Conservation Careers](#)



Liz Heard
Wild City Manager, Northumberland Wildlife Trust

"I manage the Wild City Team, which aims to connect people with nature and support taking action – I work with schools and youth/community groups. I've always loved nature and being outside, and wanted a career that would allow me to help nature and people at the same time. I love working for an environmental charity as you can see the impact you create through your work daily."



Technology

Tech is a fast paced and ever-growing sector! If you love thinking about new technologies, products, services and finding new technological solutions for problems, this could be for you. Whether it's an app, an electric car or new low carbon technologies, there's something for everyone.

Skills

- Problem solving
- Attention to detail
- Critical thinking
- Curiosity and Imagination

Interests

- Computing
- Coding and data
- Artificial intelligence (AI)
- Designing and making new products

Where next?

- 🔗 [Technology - Green Careers Hub](#)
- 🔗 [Overview of the UK's IT industry | Prospects.ac.uk](#)
- 🔗 [Careers in games - ScreenSkills](#)



Heidi Portwine
Technical Consultant, CGI

"My role as automation tester mainly falls within the areas of software engineering and testing. I am responsible for designing, developing, and executing automated tests to ensure the software created by developers fits its purpose. I chose this career because I have always had an interest in technology and enjoy working on and solving complex problems."



Law, education and humanities

If you are interested in bringing about change, solving problems in society and holding power to account then this sector is for you. All of these will be important in dealing with the social and economic issues that are linked with climate change. If you like looking at the big picture, or are interested in politics, law, policy or planning, these areas can make a big difference.

Skills

- Leadership
- Communication
- Teamworking
- Research

Interests

- Politics
- History
- Geography
- Public speaking

Where next?

- 🔗 [What is environmental law? | University of Law](#)
- 🔗 [Top 10 public policy skills you need to grow your career | Oxford](#)
- 🔗 [w4mp | The site for everyone working for an MP \(w4mpjobs.org\)](#)



Rachel Somerville
Climate Policy and Delivery Officer,
Newcastle City Council

"I support the transition to Net Zero by 2030 in Newcastle. This involves working on the main categories that create emissions, which are energy, transport, waste, and biodiversity. The most enjoyable part of my job is collaborating with like-minded people to educate future generations on the importance of climate change action."



Outdoor environment

Do you like working outdoors? Jobs that protect our trees, landscapes and wildlife are so important as the effects of climate change take place. We also need to build defences against natural disasters like flooding. If you are passionate about the environment or want to look at how we produce food more sustainably, this could be for you.

Skills

- Practical working
- Resilient
- Teamwork
- Organisation

Interests

- Working in the outdoors
- Nature and wildlife
- Waste and recycling
- Working with tools

Where next?

- 🔗 [Arboricultural Association - Careers in Arboriculture \(trees.org.uk\)](https://trees.org.uk)
- 🔗 [Discover Green Jobs for Nature - Get that Green Job](#)



Vincent Jenkins
Ranger, Urban Green Newcastle

“My job involves checking parks daily to make sure they are clean and safe for the public to enjoy. My aims are for every park to be maintained and kept to a high standard and for nature to thrive. I love working outdoors in all weathers in the 32 parks in Newcastle, it’s great for mental health and wellbeing.”



Business

In order to tackle climate change, we must change the way we produce, sell and buy products and services. A key challenge to business and finance is ensuring this process makes an overall positive impact on the planet. The need for sustainable business practice is a growing area and can be one of huge demand and opportunity!

Skills

- Communication
- Creativity
- Ambition
- Leadership

Interests

- Finance and economics
- Innovation
- Marketing
- Community interests

Where next?

- 🔗 [Green Business Guide - BIPC North East](#)
- 🔗 [How to launch a green business – from idea to reality - Start Up Loans Company](#)
- 🔗 [Promoting sustainable business tourism | Green Tourism - Green Tourism \(green-tourism.com\)](#)



Tamma Carel
Senior Environmental Consultant, Imvelo Ltd and iCOR

“Environmental awareness in business has increased globally, with more environmental laws governing business emissions. I ensure that my clients are at the forefront of best practices in environmental and sustainability strategies. I specialise in environmental law and co-founded iCOR – a software solution to help organisations show they are following the law.”



Helpful links



Friends of the Earth
What's a green job Friends of the Earth



Green skills and careers
www.greencareershub.com



EAUC Green Careers Guide
EAUC Scotland's Green Careers Guide (2023)



Great places to work
Global Authority on Workplace Culture
Great Place To Work® UK

Job roles and routes

- Green careers | National Careers Service
- North East in the UK (greenjobs.co.uk)
- What's next? A guide to starting your career 2024 (reed.com)
- Find an apprenticeship - GOV.UK (www.gov.uk)
- Apprenticeships, 14 to 19 education and training for work - GOV.UK (www.gov.uk)

What next?

Great Places to Work

Friends of the Earth

Green Careers Hub

Job roles and routes

Green skills and careers

Find an apprenticeship



Sector directory



Construction and engineering

North East Wide
[Bernicia Group](#)
[Hitachi](#)
[Network Rail](#)
[Northern PowerGrid](#)

Northumberland
[Decerna](#)
[DeepOcean](#)
[National Renewable Energy Centre](#)
[Port of Blyth](#)
[Reheat](#)
[Windel Energy](#)

North Tyneside
[Port of Tyne](#)
[Siemens](#)
[Smulders](#)

South Tyneside
[Amari Plastics](#)
[Castle BS](#)
[Kier North East](#)
[Storm Tempest](#)

Sunderland
[AR Power](#)
[Nissan](#)

Gateshead
[AMB Packaging](#)
[Graphic Packaging International](#)
[Green Leaf Engineering](#)
[Schneider Electric](#)
[Willmott Dixon](#)

Newcastle
[Arcadis](#)
[Atkins](#)
[Baker Hughes](#)
[Balfour Beatty](#)
[Bellway Homes](#)
[British Engines](#)
[Cathie](#)
[Cundall Engineering](#)
[EQUANS](#)
[Fairhurst](#)
[GHD](#)
[Houghton International](#)
[Jacobs](#)
[Jasper Kerr](#)
[JC Consulting](#)
[Karbon Homes](#)
[McGrady Clarke](#)
[Mott MacDonald](#)
[Natural Power](#)
[Pegasus Group](#)
[Shepherd Offshore](#)
[Ramboll](#)
[RPS Group](#)
[Stantec](#)
[TechnipFMC](#)
[Turner & Townsend](#)
[Wardell Armstrong](#)
[WSP](#)



Creative arts

Newcastle
[Bryonn Architecture LTD](#)
[Cap-a-pie](#)
[Crystallised](#)
[Gradon Architecture](#)
[JDDK Architects](#)
[Luminous](#)
[Nomad Digital](#)
[Sail Creative](#)
[Space Architects](#)
[The Farrell Centre](#)
[Tyne & Wear Museums & Archives](#)
[Ubisoft](#)
[Young Women's Film Academy](#)

Gateshead
[Baltic Centre](#)
[Coatsink](#)
[Northern Print Solutions](#)
[Proto](#)
[The Glasshouse](#)

Sunderland
[Theatre Space North East](#)



Science

North East Wide
[Groundwork NE & Cumbria](#)
[Northumbria NHS Trust](#)
[Regional Universities](#)
[The Wildlife Trust](#)
[Tyne Rivers Trust](#)
[Wildlife and Wetland Trust](#)

Newcastle
[AECOM](#)
[BSG Ecology](#)
[Earth & Marine Environmental Consultants](#)
[Enviresearch Ltd](#)
[Environment Agency](#)
[ERIC NE](#)
[FALCO Ecology](#)
[JBA Consulting](#)
[Marine Management Organisation](#)
[Natural England](#)
[Newcastle University](#)
[Northumbria University](#)
[Roberts Environmental](#)



Technology

Newcastle
[Caspian](#)
[CGI](#)
[Equiwatt](#)
[Ingram AV](#)
[National Innovation Centre for Data](#)
[Optimise](#)
[PowerRoll](#)
[Siemens Energy](#)
[Urban Observatory](#)
[Zero Carbon Futures UK](#)
[ZeroLight](#)

Gateshead
[Turntide Technologies](#)
[VRAI](#)

Sunderland
[Envision AESC](#)

Durham
[Low Carbon Materials](#)



Law, education and humanities

North East Wide
[Climate Action North](#)
[Forest Schools](#)
[Local NE Councils](#)
[Mayor Combined Authority](#)
[Sustrans](#)

Newcastle
[BBC Newcastle](#)
[Bind/Magic Hat](#)
[Eversheds Sutherland](#)
[iCOR Systems](#)
[Irwin Mitchell](#)
[Newcastle City Council](#)
[Sintons](#)
[Trinity Chambers](#)

[Ward Hadaway](#)
[Weightmans](#)
[Womble Bond Dickinson](#)

North Tyneside
[The Wave Project](#)

Durham
[ITV Tyne & Tees](#)



Outdoor environment

North East Wide
[Biffa](#)
[Forestry England](#)
[George F. White](#)
[National Trust](#)
[Sita UK](#)
[SUEZ](#)
[Veolia](#)
[Woodland Trust](#)

Northumberland
[Future Industrial Services](#)
[GSC Grays](#)
[Northumberland Estates](#)
[Northumberland National Park](#)

Newcastle
[Greenhatch Group](#)
[Land & Water Services](#)
[North East Community Forest](#)
[Urban Green Newcastle](#)



Business

North East Wide
[Arriva Northumbria](#)
[CrossCountry Trains](#)
[Go North East](#)
[LNER](#)
[Northern Rail](#)

Northumberland
[Caribe Coffee Co.](#)

Newcastle
[Blackfriars Restaurant](#)
[Carbon Zero Consultancy](#)
[Earthlings Café](#)
[Erudus](#)
[Full Circle Brew Co.](#)

[Future Transport Systems](#)
[Imvelo Ltd.](#)
[Nexus Rail](#)
[Newcastle Airport](#)
[SLR Consulting](#)
[Terra Infirma](#)
[The Green Energy Advice Bureau](#)
[The Maldron Hotel](#)
[Thornton-Firkin](#)
[Urban Foresight](#)

North Tyneside
[Accenture](#)
[Finch Salon](#)
[Green Zone Surveys](#)
[Sage](#)

Sunderland
[Berghaus](#)

South Tyneside
[Consultiv Utilities](#)

Please note this is not an exhaustive list of employers with green jobs available in the North East, there are likely to be others operating within the region. However, this list illustrates the wide range of green career opportunities that are available to young people in this region. Newcastle City Council cannot be held responsible for any content published on third party websites hyperlinked above.