

Low Carbon

This **groundbreaking, evolving, growing sector offers a range of exciting careers** along with supporting the protection of the environment! Jobs vary and include a countryside ranger apprentice, smart energy expert, solar panel installer, recycling operative and wind turbine technician, data analyst and farm manager. The sector covers employment in an activity that contributes to protecting or restoring the environment, including those that mitigate climate change. Locally the area has particular strengths in **renewable energy, low carbon building technology, alternative fuels and water management**. The area universities of De Montfort, Leicester, and Loughborough all have excellent low carbon research centres.



Useful subjects
Maths, English, ICT,
geography, physics,
chemistry, biology

What is happening?

- ↑ Many organisations have sustainability officers, to embed green practice like encouraging sustainable travel to work, energy efficiency and recycling management.
- ↑ MIRA Technology Park (Hinckley) has globally innovative clean energy generation and hydrogen electrolysis on-site.
- ↑ Cavendish Nuclear have a key Leicester base, and lead the development and operations of new nuclear projects to support UK net zero.
- ↑ Nearly 24% of UK new vehicle sales are electric or hybrid; car sales, ownership models, car servicing, repairs and the way we 'fill-up' will all offer roles.
- ↑ Other growth work areas will be in household energy efficiency, sustainable food production, animal welfare, carbon zero construction, and wind turbine maintenance.
- ↑ Octopus Energy has a new base at Hinckley Park, to distribute heat pumps and solar panels, as well as having a national training centre for installation engineers.
- ↑ Loughborough University Science and Enterprise Park is home to many low carbon firms.
- ↑ The area is home to much of the National Forest providing sustainable timber and environmental/eco-tourism.

Getting in

- ↑ **Skills in demand** are scientists, production engineers, power distribution engineers, civil engineers, plumbing and heating engineers, wind and solar energy technicians and electric vehicle engineers.
- ↑ Graduates in physics, chemistry and geology are needed for research into greener technologies. Practical skills, as well as design, ICT and project management are also useful.
- ↑ **Apprenticeships are growing** in areas like sustainability advice, electric vehicle technician, forestry and low carbon heating engineer.
- ↑ The top 'green' advertised job roles locally* are:
 - Safety managers
 - Health and safety coordinators
 - Engineering professionals

Other local employers include:

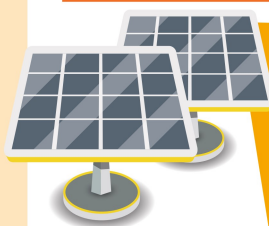
- ↑ Smart Power Systems
- ↑ Intelligent Energy
- ↑ Flogas Britain
- ↑ CENEX
- ↑ Bakers Waste
- ↑ National Grid
- ↑ British Gas
- ↑ Octopus Energy
- ↑ Elmhurst Energy
- ↑ Environmental Energies Ltd
- ↑ DNV
- ↑ Severn Trent
- ↑ Casepack
- ↑ EarthSense
- ↑ Sav-eco Packaging



Low carbon skills will play an important role across all industries, so future jobs could be in any sector. It is worth researching a wide range of employers.

WHAT YOU COULD EARN

Climate Scientist	£20K-£50K
EV Charge Point Installer	£24K-£44K
Forestry Worker	£20K-£35K
Wind Turbine Engineer	£25K-£45K
Recycling Operative	£18K-£24K
Insulation Installer	£20K-£35K
Gas/Heating Appliance Installer	£20K-£35K
Environmental Consultant	£25K-£40K



Skills and qualities
Practical skills, design, ICT, project management, problem solving, innovation, attention to detail, creative skills, customer service skills

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*Advertised vacancy analysis across Leicester and Leicestershire, 2024, from Lightcast.