

GREEN FUTURES in CONSTRUCTION

Construction is a massive industry in our region and plays a vital role in our journey to net zero. Sustainable construction means building with the right materials, reducing waste, insulating buildings to reduce energy loss, and introducing sustainable heating and energy generation.

According to the Construction Industry Training Board (CITB), in order to achieve our goal of net zero, it is estimated that we will need to create 350,000 new job positions.

EXAMPLES OF LOCAL EMPLOYERS IN CONSTRUCTION WHO HAVE A GREEN FOCUS.

R G Carter have trained over 450 craft apprentices and 300 management apprentices since 2000. They are committed to achieving Net Zero emissions by 2035.

Morgan Sindall built the iconic Enterprise Centre at the UEA which was showcased as one of the most sustainable buildings in the world when first built in 2015

Barnes Construction was involved in replacing the roof of the iconic King's College Chapel in Cambridge. The year-long conservation project included installation of 438 solar panels which will reduce the college's carbon emissions by more than 23 tonnes each year.

Construction is the sector with the second-highest average salary in the UK, at £33,500.

Around 40% of UK carbon emissions in 2022 were linked to the built environment. The sector is rapidly adapting its practices and green skills are in huge demand for new entrants to the industry.

Air and ground source heat pumps are a sustainable heating source. The UK only has around 4,000 trained heat-pump installers but will need 33,000 by 2028.

The Construction Industry offers careers for everybody, regardless of the qualifications you've got. Some entry-level jobs don't need any qualifications at all. For others, you can explore the relevant college courses, degrees or apprenticeships you need in order to start your career.

LOCAL CONSTRUCTION PROJECTS

The Sizewell C nuclear power station in Suffolk represents one of the largest construction projects ever undertaken in the East Anglia region. The building phase will take roughly a decade and employ as many as 1500 apprentices.

The East Anglia Hub is an offshore wind complex which will see the development of three projects capable of delivering enough power to supply clean energy to 2.7 million British homes. Construction started in 2022 and is scheduled to be complete in 2026.

Job Roles with a green future

HEAT PUMP ENGINEER

You could be installing and maintaining the low-carbon central heating systems of the future

SUSTAINABILITY CONSULTANT

You could be working closely with companies, businesses, and government bodies to assess the carbon footprint of a project and suggest ways to reduce the environmental impact.

SUSTAINABILITY MANAGER

You could oversee the implementation of sustainability practices during a construction project to ensure the project adheres to the most economically and environmentally friendly methods possible.

DESIGN ENGINEER

You could be responsible for designing and implementing environmentally friendly engineering solutions for new infrastructure projects, such as buildings, roads, railways, and bridges by reducing waste, pollution, and resource usage which will have a lower impact on the planet.



Visit www.icanbea.org.uk or scan here to find out more about how you can have a green future in construction, follow the link to information on college courses, apprenticeships and bootcamps for both adults and young people.

DID YOU KNOW

There are more than 100 different construction apprenticeships from plastering, flooring and bricklaying, to planning, architecture and supervisory roles

DID YOU KNOW

New homes built from 2025 will have to comply with the Future Homes Standard (FHS) and produce 75-80% less carbon emissions than homes built under the previous Building Regulations

DID YOU KNOW

29 million homes will need to be retrofitted with green solutions (such as heat pumps and better insulation) by 2050 to help us reach Net Zero