

Your guide to

Clean energy careers

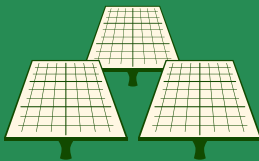

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Greater Lincolnshire is one of the UK's clean energy powerhouses - from offshore wind to carbon capture, the region is creating the green jobs of the future right now. That means exciting careers right here, whether you want to be hands-on out at sea, working on turbines, or helping plan, design, and problem-solve in an office.

Inside, you'll find out where to get more information on clean energy careers and get a chance to complete an activity and enter our competition for a prize!

Your future in clean energy starts here.



Get involved

Now it's your turn!

This activity is your chance to show off your ideas, creativity, and problem-solving skills - the same skills that people use every day in clean-energy careers.

By taking part, you'll get a taste of what it's like to shape the future of energy in Greater Lincolnshire.

And the best part? When you complete the activity, you can submit your entry for the chance to win a range of brilliant prizes.

Choose one of the activities on the next two pages and send us a photo by scanning the QR code at the back, or by emailing skills@nelincs.gov.uk



Activity 1: Wind turbine

You will need:

- A pencil
- Cardboard
- Empty toilet roll or kitchen roll tube,
- Tape or glue
- Pin or paper clip



Instructions:

1. **Make the blades:** Cut four cardboard blades (long ovals or rectangles work best).
2. **Attach the blades:** Tape or glue them evenly around a small cardboard circle cut from your toilet roll tube.
3. **Create the hub:** Push a pencil through the centre of the circle - this becomes your turbine axle.
4. **Build the base:** Stand your kitchen-roll tube upright and tape it firmly to a wide cardboard base.
5. **Mount the turbine:** Place the pencil axle through the top of the tube. Add a pin or bent paper clip as a stopper so it spins freely.
6. **Test it:** Blow on the blades or take it outside and watch your turbine catch the wind!

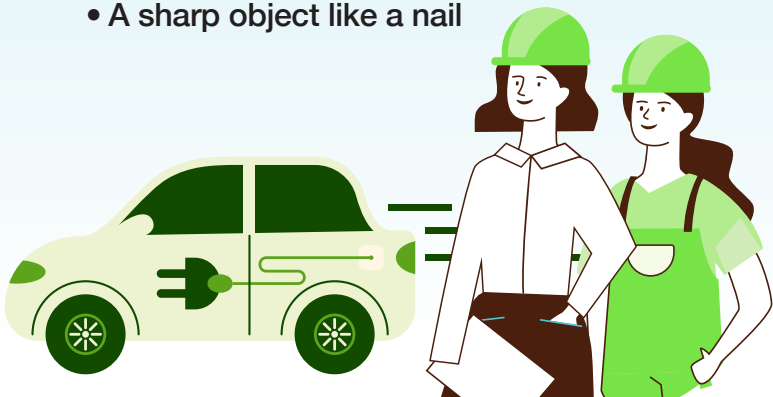


Activity 2: Car



You will need:

- 1 empty plastic bottle
- 4 plastic bottle caps
- 2 wooden sticks, like chopsticks or skewers
- Some elastic bands
- 2 drinking straws
- Scissors
- Glue or tape
- A sharp object like a nail



Instructions:

- 1. Make the axle holes:** With help, make two pairs of holes near the bottom of the bottle - one pair at the front, one at the back - big enough for straws to fit through.
- 2. Add the straws:** Cut two straws to the width of the bottle and push them through the front and back holes.
- 3. Add axles and wheels:** Make a hole in each bottle cap.
- 4. Slide a wooden stick through each straw:** Push a bottle cap onto each end to create the wheels. Use tape or glue if needed.
- 5. Attach the elastic band:** Cut a small notch at the back of the bottle. Loop an elastic band around the back axle and hook the other end onto the notch.
- 6. Wind it up:** Twist the back wheels to tighten the elastic band, place the car on the floor, and let go - watch it race forward!

What's it really like to work in clean energy?



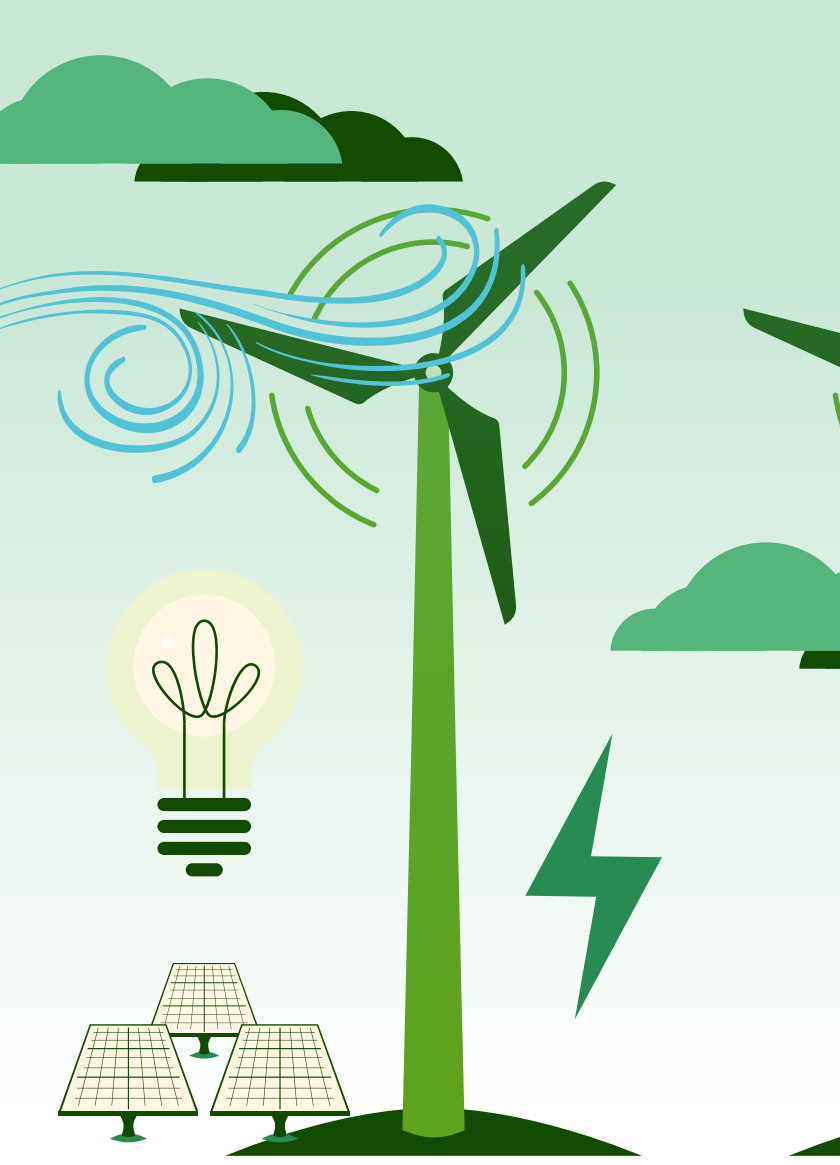
I work in RWE's Energy Transition team as a graduate, helping drive clean energy by decarbonising our CCGT fleet and exploring lowcarbon projects like Stallingborough. I studied Mechanical Engineering at Swansea and returned to RWE after a Year in Industry.

What I love about being a graduate at RWE is the freedom to shape my placements and the support behind me. It's helped me explore roles in clean energy, grow my network, and progress towards chartership.

My advice: Take every opportunity, and don't be afraid to ask. People want to help.

Tom Waring – Graduate Engineer at RWE Generation





Find out more about careers in clean energy:

- Lincs2, an only directory of courses and apprenticeships
<https://www.lincs2.co.uk/>
- Support for young people looking for careers and training
www.nelincs.gov.uk/YPSS
- Advice and guidance about higher and further education
<https://hop-humber.co.uk/>
- Discover pathways to clean energy careers
<https://energycareers.firstmedia.co.uk/>
- Careers information, advice and guidance
<https://nationalcareers.service.gov.uk/>



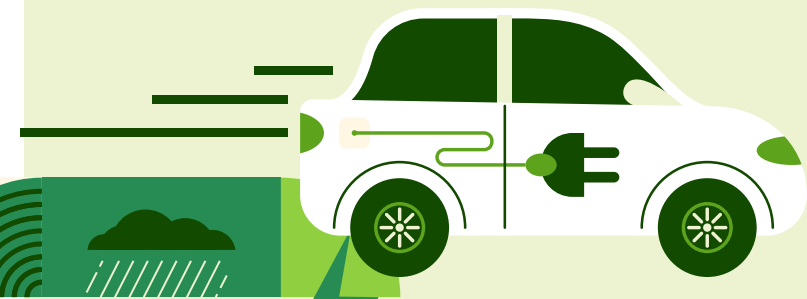
**Submit your competition
entry for a chance to win:**

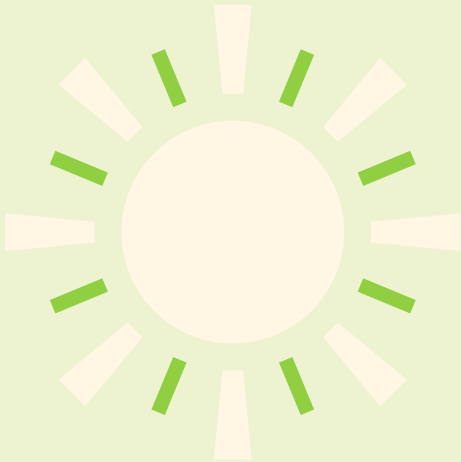


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Or go to

<https://energycareers.firstmedia.co.uk/>





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Department for
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