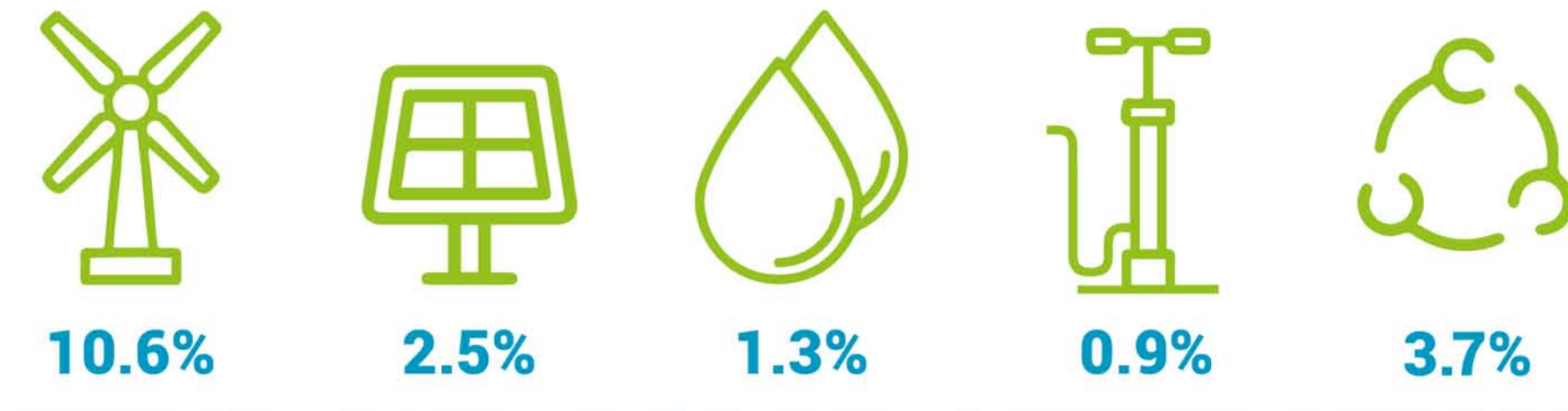


# Why the UK is Flying the Flag for Cleantech

Clean technology is becoming an increasingly important part of the worldwide economy. And the UK is playing a key role in leading the renewable charge.

## THE UK IS A WORLD RENEWABLE HUB



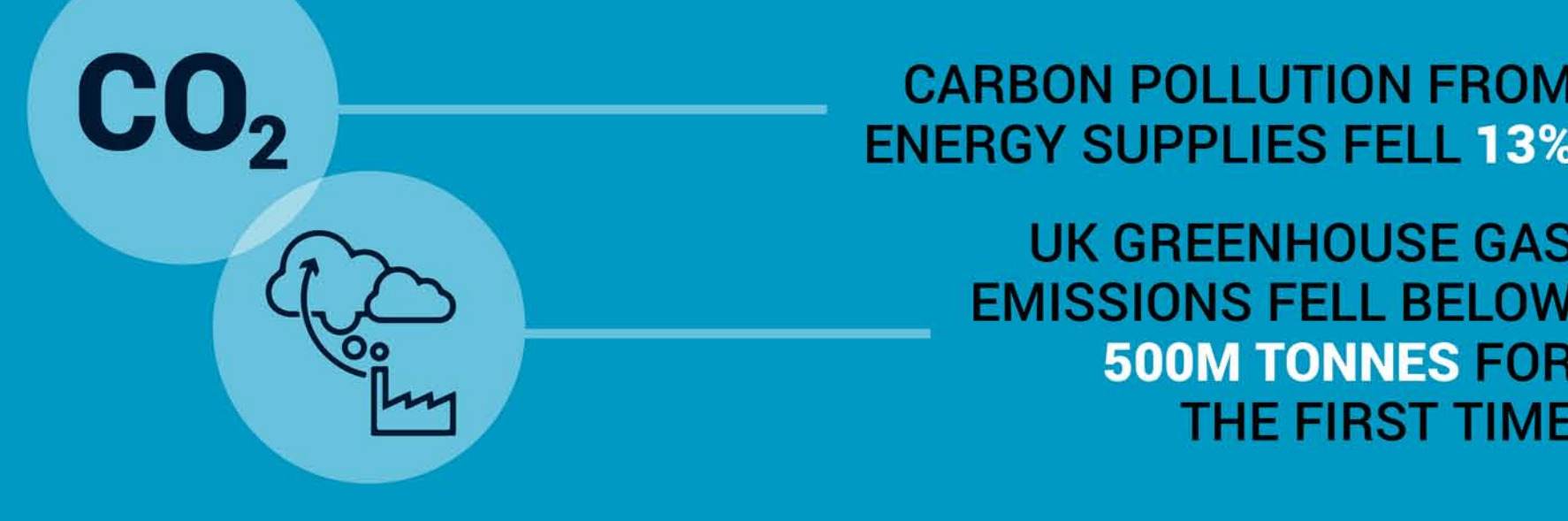
**WIND AND SOLAR GENERATION GREW +10.2% BETWEEN 2014 AND 2015**

## FALLING UK FOSSIL FUELS BETWEEN 2014 & 2015

Electricity supplied by gas, oil and coal



Coal's share of electricity generation



## THE WONDER OF WIND

**THE UK IS THE 6<sup>th</sup> LARGEST PROVIDER OF WIND POWER IN THE WORLD**

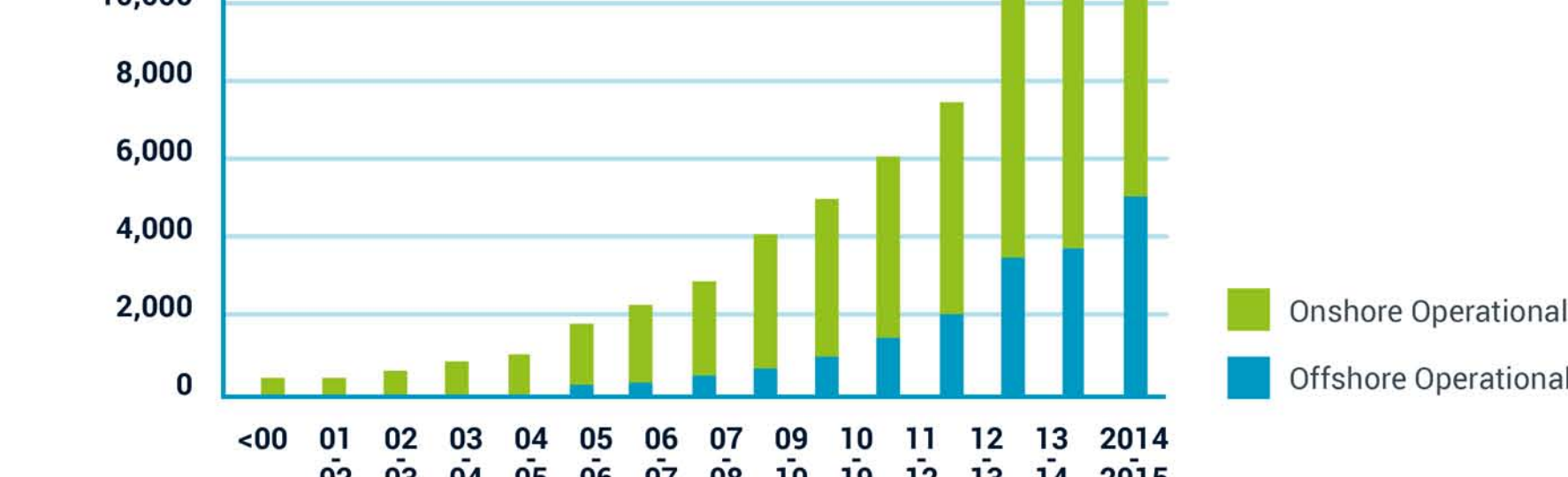
**THE WORLD'S BIGGEST OFFSHORE WIND FARM IS TO BE BUILT 75 MILES OFF THE COAST OF GRIMSBY**

**174 TURBINES, 623FT TALL**

**TALLER THAN THE GHERKIN**



## UK WIND OPERATING CAPACITY 2000-2015



## ONSHORE WIND IS NOW THE CHEAPEST SOURCE OF ENERGY IN THE UK

## SUPER SOLAR

There is almost **12GW** worth of solar panels on UK homes, offices and other buildings enough to power **3.8m HOUSES**

There are a million 'solar homes' in the UK



## CLEANTECH EMPLOYMENT IN THE UK



## GLOBAL CLEANTECH INNOVATION INDEX 2014 FACTOR TABLE

| 2014 Rank | Country     | 2014 Score | Inputs to Innovation | Outputs to Innovation | General Innovation Drivers | Cleantech-Specific Innovation Drivers | Evidence of Emerging Cleantech Innovation | Evidence of Commercialised Cleantech Innovation |
|-----------|-------------|------------|----------------------|-----------------------|----------------------------|---------------------------------------|---|---|
| 1         | Israel      | 4.34       | 2.87                 | 5.81                  | 2.86                       | 2.88                                  | 8.92                                      | 2.70  |
| 2         | Finland     | 4.04       | 2.90                 | 5.18                  | 2.83                       | 2.97                                  | 7.59                                      | 2.77  |
| 3         | USA         | 3.67       | 3.13                 | 4.21                  | 3.29                       | 2.98                                  | 6.41                                      | 2.01  |
| 4         | Sweden      | 3.55       | 2.98                 | 4.12                  | 3.59                       | 2.37                                  | 5.56                                      | 2.68  |
| 5         | Denmark     | 3.45       | 3.13                 | 3.76                  | 3.15                       | 3.12                                  | 3.23                                      | 4.29  |
| 6         | UK          | 2.84       | 2.77                 | 2.91                  | 2.82                       | 2.71                                  | 3.87                                      | 1.95  |
| 7         | Canada      | 2.83       | 2.84                 | 2.83                  | 3.34                       | 2.34                                  | 3.34                                      | 2.32  |
| 8         | Switzerland | 2.80       | 2.90                 | 2.69                  | 3.38                       | 2.42                                  | 3.33                                      | 2.06  |
| 9         | Germany     | 2.78       | 2.56                 | 3.00                  | 2.26                       | 2.87                                  | 3.39                                      | 2.61  |
| 10        | Ireland     | 2.73       | 2.34                 | 3.12                  | 2.50                       | 2.18                                  | 3.92                                      | 2.32  |

The UK has **more companies in the Global Cleantech 100** than any other EU nation



**900,000 PEOPLE IN THE UK ARE EMPLOYED IN A CLEANTECH-RELATED COMPANY**

IN 2014 **RENEWABLE ENERGY JOBS** GREW BY **+9%** THERE ARE NOW **112,000 UK WORKERS EMPLOYED IN THE RENEWABLES INDUSTRY**

**GROWING CLEANTECH IS GREAT FOR JOBS 50% OF EVERY £ INVESTED GOES BACK INTO NEW JOBS**

## CLEANTECH IN QUOTES

"We're killing the world. We need scientists to come up with clean fuels, ideally not disrupting the food supply."

**Richard Branson - Entrepreneur and Founder of Virgin**

"We must produce an abundance of clean, renewable energy and drive further innovation to make the next generation of energy more efficient. It will benefit the **environment**, our **society** and the **economy**."

**Mark Zuckerberg - Founder of Facebook**

"The future is green energy, sustainability, renewable energy."

**Arnold Schwarzenegger - Actor and Former Governor of California**