

Galloper facts

**180
METRES**



The 56 turbines are approximately the size of the Gherkin at 180 metres from sea level to the blade tip

**75
METRES**



Each blade measures 75 metres, greater than the wingspan of an Airbus A380

**360
TONNES**



The nacelle and the blades combined weigh over 360 tonnes

**£6
MILLION**



Each turbine costs approximately £6 million

**27-36
METRES
DEEP**



Turbines are installed within water depths of 27-36 metres

**2.5
PITCHES**



A blade sweep area is roughly 2.5 football pitches per rotation

**90
MPS**



Blade tip speed can reach 90 metres per second

**3
MPS**



Energy generation begins at wind speeds of 3 metres per second, up to 28 metres per second

**1 DAY OF
POWER**



Just one rotation of the blades generates enough electricity to power a home for one day

**45 KM
TO SHORE**



Two 45km long cables needed to transport electricity from the wind farm to the onshore substation

**140 KM
CABLE**



There is more than 140km of undersea cable linking the turbines to the offshore substation

**3.5
TONNES**



At maximum output the turbines displace 3.5 tonnes of CO2 per day compared to a natural gas plant

**150,000
HOURS**



Approximately 150,000 personnel hours are spent year maintaining and operating the wind farm

**50,000
MILES**



Over 50,000 nautical miles are travelled each year by vessels to provide operations and maintenance support to turbines

**90
MINUTES**



Each vessel takes roughly 90 minutes to take technicians out to the wind farm

**27
KM**



Galloper is located 27km off the Suffolk coast at its nearest point

**353
MW**



Galloper generates up to 353MW of green electricity

**444,000
HOMES**



Powering up to 444,000 average UK homes each year

**60 JOB
ROLES**



60 long term east coast roles are required to operate the wind farm