Bird Collision Avoidance Study

year study

seabird behaviour

Research funded by 11 offshore wind developers and 4 public bodies

turbines fitted with monitoring equipment

## **COMBINED CAMERA-RADAR SYSTEM**

videos analysed

- € 48,000 night videos

- daylight videos showing seabirds at offshore wind farm
- **€** Only 75 birds seen at offshore wind farm at night



2 types of radar system used to track individual seabird flight paths around the outskirts of the farm

## **LASER RANGE FINDERS**

230 days of expert visual observers based on turbine platforms tracking bird behaviour



Study Location:

Thanet Wind Farm

off the coast of Kent

turbines spread across 35km2

Blade diameter (the length of a football pitch)

Blades rotating from 25m to 115m above sea level

Looking at the behaviour of 5 target seabird species up to distance of 3km beyond the farm



Northern Gannet





Black-legged Kittiwake



Herring Gull



