

# Wind energy and biodiversity

THE WIND. IT'S FREE, CLEAN, AND RENEWABLE. WE CAN USE IT TO PRODUCE ELECTRICITY.



WIND IS AVAILABLE LOCALLY. IT DOESN'T NEED TO BE IMPORTED FROM OTHER COUNTRIES. THE MORE WE USE IT, THE CLOSER WE GET TO ENERGY SECURITY.



WIND ENERGY HOLDS MANY BENEFITS FOR THE ENVIRONMENT AND FOR BIODIVERSITY. IT CAN COEXIST HAPPILY WITH NATURE.



BEFORE INSTALLING A WIND FARM, WE CHOOSE THE SITE VERY CAREFULLY. WE THEN PLAN AND DESIGN THE WIND FARM IN A WAY THAT RESPECTS THE ENVIRONMENT. THIS PROCESS TAKES SEVERAL MONTHS!



WE CARRY OUT THOROUGH IMPACT ASSESSMENTS WITH SCIENTISTS AND LOCAL AUTHORITIES.



WE TALK TO LOCAL RESIDENTS...



BIRD SPECIALISTS...

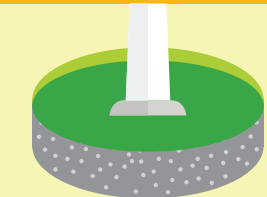
WE LOOK AT ALL THE POTENTIAL IMPACTS OF A WIND FARM AND ITS INFRASTRUCTURE.

DURING INSTALLATION, WE TAKE EXTRA CARE TO MINIMISE OUR IMPACT:

WE LIMIT THE TIME NEEDED TO INSTALL A WIND FARM.



WE AVOID INSTALLING WIND FARMS DURING THE BIRD NESTING SEASON.



THE CEMENT WE USE FOR FOUNDATIONS IS INERT. IT DOESN'T POLLUTE THE SOIL.

WHERE APPLICABLE WE USE AIR BUBBLE CURTAINS TO REDUCE NOISE POLLUTION FOR MARINE LIFE DURING WORKS AT OFFSHORE WIND FARMS.



CO<sub>2</sub> EMISSIONS ASSOCIATED WITH CONSTRUCTION, OPERATION AND DISMANTLING ARE PAID BACK WITHIN ONE YEAR OF OPERATION.



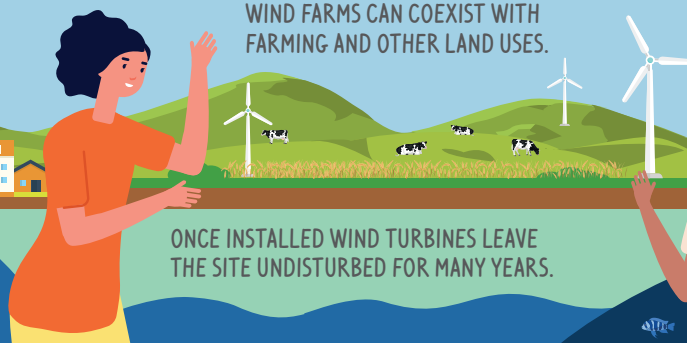
ONCE INSTALLED, WIND FARMS BRING MANY BENEFITS TO THE ENVIRONMENT:

NO CO<sub>2</sub> EMISSIONS  
NO AIR POLLUTANTS...



ZERO WATER FOOTPRINT...

WIND FARMS CAN COEXIST WITH FARMING AND OTHER LAND USES.



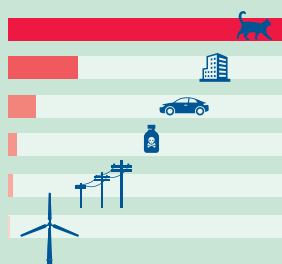
ONCE INSTALLED WIND TURBINES LEAVE THE SITE UNDISTURBED FOR MANY YEARS.

OFFSHORE FOUNDATIONS ACT AS ARTIFICIAL REEFS.



WE TAKE EXTRA MEASURES, IN ADDITION TO CORRECT PLANNING AND SITING, TO PROTECT BIODIVERSITY:

THE IMPACT OF WIND TURBINES ON BIRDS IS ACTUALLY VERY LOW.



WE CONSTANTLY MONITOR OUR IMPACT.



WHERE APPROPRIATE WE USE TECHNOLOGY TO DETECT, DETER AND DECOY BIRDS AND BATS. IN SOME CASES THIS INCLUDES STOPPING THE TURBINE FROM SPINNING AT CERTAIN TIMES.



WIND FARMS ARE BEE-FRIENDLY, AND THEIR SITES CAN BE DESIGNED TO ATTRACT POLLINATORS.