



OVERVIEW OF OFF GRID SYSTEMS





WHY CHOOSE AN OFF-GRID SOLUTION FROM KINGSPAN WIND

Kingspan Wind have been providing reliable, efficient and affordable Off-Grid energy solutions through our small scale wind turbines for over 30 years. Often combined as hybrid systems with Solar PV or diesel back-up generators, our solutions are compatible for integration into existing Off-Grid systems that may require additional power expansion or as an alternative 'clean' technology to replace high polluting and expensive to operate diesel gensets.

Off Grid systems are adaptable, can be expanded easily to accommodate change in use or load demand and can provide uninterrupted power 24/7.



**WORLD'S
MOST RELIABLE**
Small Wind Turbines

BENEFITS OF WORKING WITH KINGSPAN WIND

FULL DESIGN & SPECIFICATION

COMPLETE SOLUTIONS FOR OFF-GRID ON AND OFFSHORE

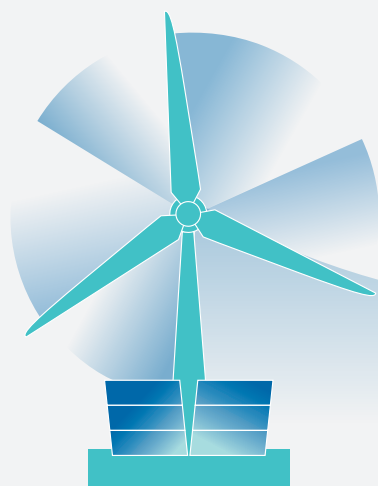
3KW AND 6KW GENERATOR OPTIONS

STORAGE AND HYBRID POWER OPTIONS

INSTALLATION AND SERVICE



OUR VALUE PROPOSITION TO YOU



ROBUST &
RELIABLE -
5000 IN
OPERATION

COST EFFECTIVE -
TYPICAL **PAYBACK**
ON DIESEL POWER
5 YEARS OR
20% IRR

THOUGHT
LEADERSHIP -
30 YEARS IN
BUSINESS

CLASS 1 LOW
MAINTENANCE
TURBINES

SECTORS WE OPERATE IN

TELECOMS

OFF SHORE

MILITARY

INDUSTRIAL/RAILWAYS

INTERNATIONAL AID

OFF GRID COMMUNITIES AND HOUSES

OFF GRID BUSINESSES e.g. Fish farms



AVAILABLE SYSTEM TYPES



Stand Alone

Wind turbine is the sole source of power, connected to a battery storage to provide constant supply of energy.



Hybrid

Wind turbine integrated with solar PV panels, battery storage and/or diesel generators to provide uninterrupted power 24/7.



Mini-Grid

Multiple wind turbines and alternative renewable technologies interconnected to create a distributed energy network.

PARTNER OPPORTUNITIES



Agricultural Sector supply chain



Diesel Generator Manufacturers



Energy consultants



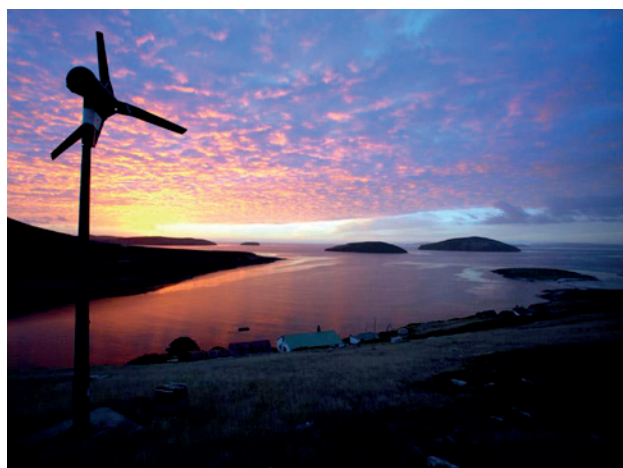
Power Companies

CASE STUDY

FALKLAND ISLANDS South Atlantic Ocean

The world's largest off-grid rural fleet of KW3 & KW6 turbines which powers over 90% of the population since 1992

- 24/7 uninterrupted power supply
- 90% electricity requirements of the rural community supplied by wind turbines
- Significantly reduced running costs compared to diesel generator
- Eliminates the need for expensive fuel deliveries to remote islands
- Low maintenance costs
- Excess power diverted to heat the homes



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