

## 24/7 CONTROL CENTRE

RES supports an operational asset portfolio of 5 GW worldwide for a large client base from utilities to private equity funds.

Our highly experienced operators are drawn from the Coastguard, major utilities and wind turbine maintainance. They will maximise the value of your assets by:

- » Identifying issues and acting quickly
- » Maintaining plant to highest industry standards
- » Power forecasting for grid compliance and trading
- » Proactive maintenance linked to condition monitoring

Operating 24/7, 365 days a year, our Control Centre is your eyes and ears to help you proactively manage and optimise plant productivity.



5 GW OF OPERATIONAL  
ASSETS SUPPORTED



25 YEARS  
OF EXPERIENCE



IN-HOUSE  
FORECASTING



INTERNATIONAL  
PORTFOLIO



HIGHLY TRAINED  
OPERATORS

### SITE ACCESS AND WORK CONTROL

Ensuring site access (onshore and offshore) and control of plant is carefully logged and undertaken in accordance with safety procedures.

### MONITORING

We know the status of every asset that we monitor, from turbine to energy storage battery.

### FAULT ESCALATION

The Control Centre's aim is to keep turbines running. Identifying, escalating and acting quickly to any faults ensures lost production is minimised.

### EMERGENCY RESPONSE

Co-ordinate a full emergency response procedure, should a serious incident occur on-site.



We monitor wind, solar, energy storage and offshore transmission assets.

smart

## VIEW YOUR PORTFOLIO

Our clients also benefit from visibility of the operational data in a clear and customisable format by our in-house developed SMART software (Site Monitoring, Analysis and Reporting Tool). View data and generate performance reports to make sure you know exactly what's happening on your assets.



## TRADING POINT AND CONTROL POINT

RES, with our 24/7 Control Centre, can ensure wind farm owners meet their Balancing Mechanism grid code obligations.

With our accurate energy forecasting capabilities, owners can fulfil their grid connection obligations and also the potential for additional revenue by providing the optimum forecasts for energy traders.

RES has built up decades of industry leading meteorological forecasting expertise for renewable generation.

- » 5 GW of operational assets supported
- » High frequency prediction updates to maximise accuracy
- » Sophisticated algorithms used for forecasts

## OUR SERVICE INCLUDES

### TRADING POINT

Using our sophisticated forecasting capabilities, our 24/7 control centre gives forecast generation to the National Grid Electronic Data Transfer (EDT).

### CONTROL POINT

Management of Electronic Dispatch and Logging (EDL) our control centre ensures sites respond to National Grid commands within 2 minutes.

### MAINTENANCE REPORTING

Our control centre reports planned maintenance outages to the National Grid TOGA (Transmission Outage and Generator Availability) system.

## INTEGRATED SERVICE

Our forecasting capability is integrated with our Control Centre's asset performance data capture, site maintenance, weather monitoring and full client reporting capabilities.

## SECURE AND RESILIENT

The Control Centre is housed in a building used by a television broadcaster, STV, and was chosen for the stability of its communications infrastructure.



Confidently achieving grid compliance.

RES is the world's largest independent renewable energy company active in onshore and offshore wind, solar, energy storage and transmission and distribution. At the forefront of the industry for over 35 years, RES has delivered more than 16 GW of renewable energy projects across the globe and supports an operational asset portfolio of 5 GW worldwide for a large client base. Understanding the unique needs of corporate clients, RES has secured 1 GW of power purchase agreements (PPAs) enabling access to energy at the lowest cost.



CALL TO LEARN MORE ABOUT OUR CONTROL CENTRE SERVICES

+44 (0) 1923 299 200   info@res-group.com   www.res-group.com  
Group HQ - Beaufort Court, Egg Farm Lane, Kings Langley, Hertfordshire, WD4 8LR, UK