

Input	module	Status	Status	Comments
What were the minimum and maximum wind speeds recorded today?	environment	4	4	4
How long did wave heights remain above safe sailing limits?	environment	4	4	4
How does the current sea state compare with yesterday's peak?	environment	4	4	4
Are conditions currently suitable for crew transfer vessels?	environment	4	4	4
Are fish activity patterns changing with sea state conditions?	environment	1	1	1 future featur
How has water temperature changed over the last 24 hours?	environment	1	1	1 future featur
Which sensors are currently active at the Fife site?	environment	4	4	4
Are any parameters trending toward unsafe thresholds?	environment	4	4	4
How stable has wind direction been over the last 6 hours?	environment	4	4	4
At what time did wave conditions become unsafe for sailing?	environment	4	4	4
Based on current conditions, is crew transfer possible right now?	environment	4	4	4
Has bird activity shown any correlation with wind conditions?	environment	4	4	4
Are fish activity levels within normal seasonal ranges?	environment			future featur
Which sensors are providing real-time wind and wave data?	environment			lists feature:
Are there any data gaps or sensor outages in the last 24 hours?	environment			
Which parameter is currently the main operational constraint?	environment			
Are all conditions expected to remain within safety limits overnight?	environment			
Summarise all environment parameters with their latest values and safe/unsafe st:	environment			
Are current environmental conditions within operational safety limits?	environment			
List all environmental data sources shown on the map.	environment			
Show the satellite view of the Fife, Scotland turbine area.	environment			Satellite vie
Where exactly is the wind turbine site on the map?	environment			
What's the phytoplankton index right now?	environment			future featur
Give me the current water temperature and salinity.	environment			future featur
What is the current noise level underwater?	environment			future featur
Has seabed disturbance increased in the last day?	environment			future featur
What are the latest readings for bird activity and fish activity?	environment			future featur
Compare sea state readings between this morning and now.	environment			
When will it be safe to sail again based on forecasted wave conditions?	environment			
Plot the trend of wave heights through the last 24 hours.	environment			Plotting not
Have wave heights exceeded 1.5 m at any point today?	environment			

How does the current energy price (£75.60/MWh) impact revenue for this period? power
Is the turbine generating above or below expected profitability? power
How does afternoon power performance compare to early-morning performance? power
How consistent was the turbine's performance across different wind speeds? power
Are any low-wind hours forecasted that could impact tomorrow's production? power
Will the peak generation tomorrow exceed today's peak? power
Are there any forecasted periods near zero generation? power
How does today's variability compare to last week's stability? power
Which three hours contributed the most to total daily energy generation? power
Is there evidence of turbulence affecting power stability during peak winds? power
What are the main differences between today's and yesterday's generation curves? power
Is there a noticeable pattern of power dips during gusty conditions? power
Did environmental factors (temperature, humidity) influence efficiency today? power
Is tomorrow's generation expected to be more stable than today's? power



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