



High Sea Wind

Floating **LiDAR** buoy factsheet



**GENERATING THE FUTURE
OF OFFSHORE WIND ENERGY
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What is the High Sea Wind project?

In April 2024, Ocean Winds was granted a feasibility licence by the Commonwealth Government to explore the potential development of a bottom-fixed offshore wind farm off the coast of Gippsland, Victoria. The project, High Sea Wind, is located approximately 76 km from the coast and is expected to have an installed capacity of approximately 1.3 gigawatts, enough to power 1 million Victorian homes each year.

The project is now preparing for site surveys to better understand the marine environment. The first of these surveys is the deployment of a floating Light Detection and Ranging (LiDAR) buoy.

Who is Ocean Winds?

Ocean Winds is an offshore wind developer, owner and operator, formed through a joint venture between EDP Renewables and ENGIE. Headquartered in Madrid, and with global network of offices, Ocean Winds develops, finances, builds, and operates offshore wind farms worldwide.

Indicative project milestones*

FEASIBILITY LICENCE	↓ WE ARE HERE ↓ SITE INVESTIGATION	REGULATORY APPROVALS	CONSTRUCTION	OPERATIONAL LIFE
Granted April 2024	Q4 2025 to Q1 2028	Q3 2025 to Q4 2029	2030 - 2031	25 – 30 yrs
Covers 150 km ² licence area. Valid for a 7 year period to enable preliminary and detailed investigative activities prior to construction.	Detailed site surveys covering: <ul style="list-style-type: none">•Metoccean conditions.•Geotechnical and geophysical conditions.•Marine and terrestrial environmental conditions.	Commonwealth and Victorian project approvals: <ul style="list-style-type: none">•Offshore Electricity Infrastructure Act 2021 (OEI Act).•Environmental Protection and Biodiversity and Conservation Act 1999 (EPBC Act).•Environment Effects Act 1978 (EE Act). All other relevant legislation and licence conditions.	Construction period of approximately 24 months following: <ul style="list-style-type: none">•Approval of a commercial licence under the OEI Act.•Detailed design and engineering.	Operation and maintenance throughout the project lifespan, followed by full decommissioning.

* Project milestones are indicative and subject to change pending the outcome of site investigations and other project dependencies.

About the High Sea Wind Lease Area



■ What is a **floating LiDAR buoy**?

A floating LiDAR buoy is a specialised piece of monitoring equipment that is anchored to the seabed. It is used to capture important data such as wind speeds and direction at various elevations, atmospheric pressure, air and water temperatures, wave height and water depth.

The buoy is approximately 4 m x 4 m and sits 4 m above sea level. It will be deployed within the High Sea Wind project area. The buoy is visible upon approach and will be anchored to the seabed by a concrete clump weight.



■ What does the **floating LiDAR survey** involve?

The project plans to deploy the floating LiDAR buoy in Q4 2025 or Q1 2026. This involves a vessel towing the buoy to a pre-determined location within the project area. The buoy would be left in place for 12 to 24 months and serviced at regular intervals to ensure data is being captured correctly. Following the completion of the survey all equipment would be removed.

The floating LiDAR buoy is one of several marine baseline surveys that would be undertaken to better understand the project site and ocean conditions and the marine environment. Findings from these marine surveys would inform the detailed project design and construction methodology. This information would also inform environmental and planning approvals for the project such as those required under the Commonwealth EPBC Act and the Victorian EE Act.

■ Our consultation **process**

We recognise there may be people or organisations affected by the deployment of the floating LiDAR buoy, either temporarily or for the duration of the survey. We are seeking to consult with as many stakeholders as possible to ensure the project provides sufficient information to allow you to make an informed assessment of any effects that the floating LiDAR buoy may have on your operations, activities or functions.

If you believe you or any other people, groups or organisations may be affected by our activities, please get in contact.

■ Get in **touch**

If you think you could be affected by the floating LiDAR buoy survey, or if you would like further information, please contact us via email at **contact@highseawind.com**.

You can also find further information on our website: **highseawind.com**

Please note Ocean Winds will not share any of your personal or private information with any third party that is not associated with project.



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