



**CATHIE**



**JBO**

Engineering Group



**Opifex**  
GEOTECHNICS

## Integrated Site Characterization and Design Capabilities for the Australian Offshore Wind Market

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***A new & exclusive partnership to deliver integrated site characterization and design solutions for the Australian offshore wind market.***

Cathie, JBO Engineering Group & Opifex are excited to announce our new collaboration to the Australian Offshore Wind industry.

Together, we are combining a unique breadth of industry-leading knowledge and local expertise to provide key project stakeholders with a bespoke, integrated end-to-end site characterization and design solution. Our approach addresses key site engineering challenges unique to the Australian offshore environment, optimises CAPEX, and ensures constructability, for all potential fixed and floating foundation types, and power cables, in the Australian offshore wind sector.

***Who We Are***

**Cathie Group (Cathie)** is a leading global offshore geoscience and geotechnical engineering consultancy, providing expert geotechnical, geophysical, geospatial, and engineering services to the offshore energy and marine infrastructure industries. Built on hard work, integrity, and a commitment to the highest standards, Cathie has grown to become a leading global consultancy, with offices in Brussels, Paris, Milan, Newcastle upon Tyne, and Providence. Their industry-leading team is known for its innovative, client-focused approach, delivering high-quality, practical solutions with responsiveness and ease of collaboration.

**JBO Engineering Group** is a leading German consulting firm specialising in offshore wind development, with over 15 years of experience and a track record of delivering more than 30 GW of projects worldwide. With a strong focus on innovation and optimisation, JBO's in-house processes and advanced engineering solutions ensure high-quality, tailored support for clients. Committed to driving the global energy transition, JBO combines technical excellence with a dedication to sustainability, reflected in their slogan: *Engineering the Future of Offshore Wind*.

**Opifex Geotechnics (Opifex)** is a specialist geotechnical engineering consultancy based in Perth, Australia, with expertise across onshore, nearshore, and offshore projects. Established in 2023, Opifex offers support from concept to construction, delivering innovative and reliable solutions tailored to each project's unique challenges. Combining practical engineering experience with cutting-edge research, their team of recognised subject matter experts collaborates with leading Australian research institutes to apply the latest advancements. Opifex specialises in foundation design and construction, providing state-of-the-art geotechnical advice to developers, consultants, contractors, and litigators.

***Why Choose Us?***

Leveraging Cathie's extensive track record as lead geoscience consultant in the development of site characterization, ground models and geotechnical interpretative reports across complex global environments, JBO's renowned expertise providing comprehensive design services for offshore wind



turbine support structures, offshore substations, specialising in the design and dimensioning of offshore support structures and Opifex's pioneering geotechnical engineering capabilities in unique offshore environments (Carbonate Soils), our solutions address key site engineering challenges, optimise CAPEX, and ensure constructability.

### *Why Work with Us?*

- **Direct experience of soil conditions and engineering & design challenges** across variety onshore and offshore environments, including region-specific geohazards and engineering constraints in Australia, such as carbonate sediments.
- **Proven, integrated workflow and demonstrated history** of combining to provide clients with an efficient, high-quality method of delivery & barrier-free interface between the geotechnical and structural design components.
- **World-renowned expertise** in the field of site characterization, ground modelling, geotechnical reporting and design of offshore structures, working for leading global developers in Europe, the U.S. and key APAC markets such as Taiwan and South Korea.
- **'One-Team' integrated project organisation and delivery.** Enabling considerable technical efficiencies and cost savings across each phase of the project, as well as resource contingency from all three parties to ensure timely, technically-sound delivery.
- **Local Australian project management and technical expertise** in appropriate time zones with wider support from JBO and Cathie global offices available and ready to support technical and project requirements as required

For more information, please contact:

**Cathie:**

Thomas Rutherford

[Thomas.Rutherford@cathiegroup.com](mailto:Thomas.Rutherford@cathiegroup.com)

**JBO Engineering Group:**

Walid Al Otaibi

[alotaibi@j-b-o.de](mailto:alotaibi@j-b-o.de)

**Opifex:**

Cathal Colreavy

[Cathal.Colreavy@OpifexEng.com](mailto:Cathal.Colreavy@OpifexEng.com)

