

# The CADEMO Project

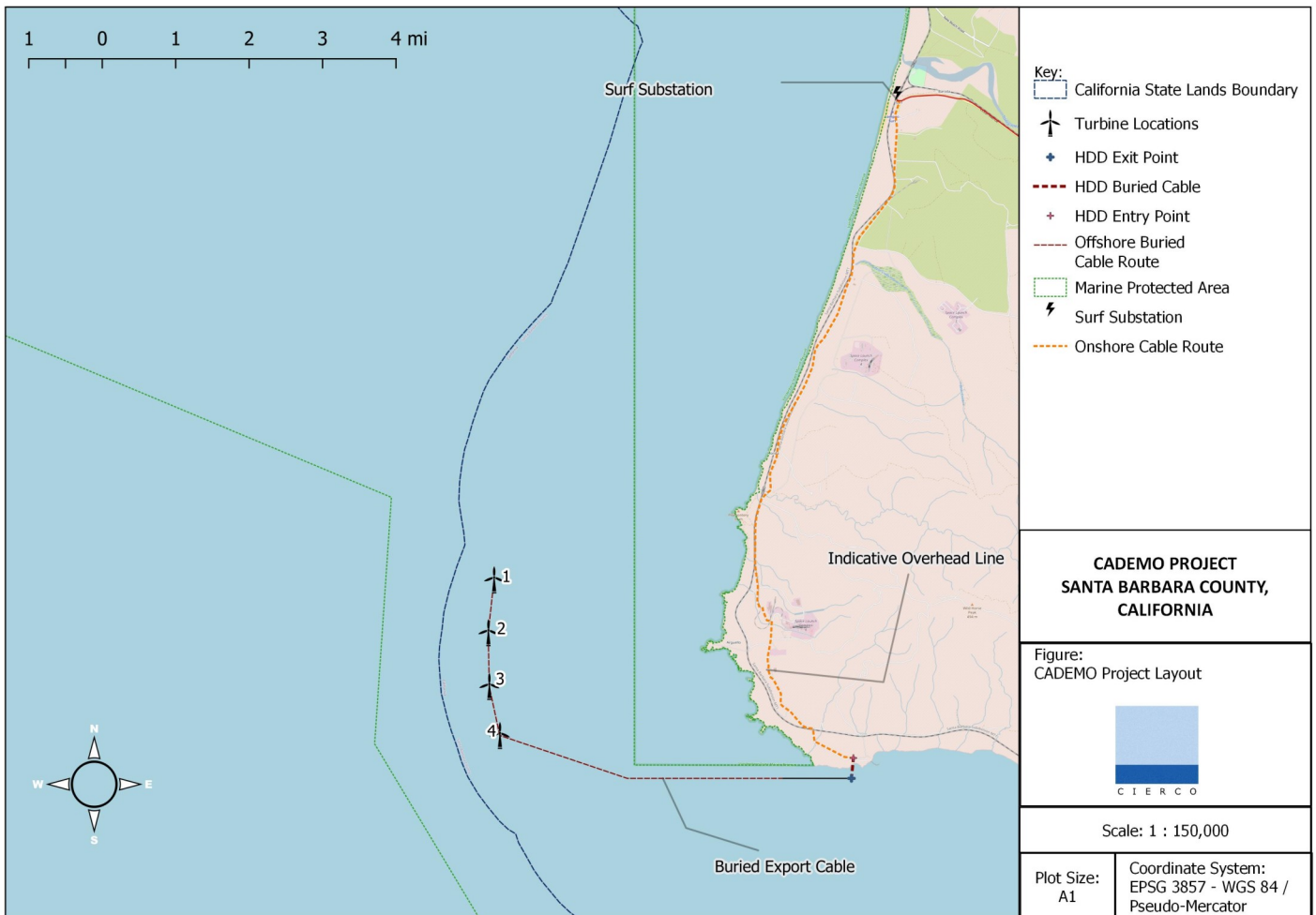


*The First Offshore Floating Wind Demonstration Project in Californian Waters*

## What is the CADEMO Project?

The CADEMO (California Demonstration) project is a floating offshore wind renewable energy technology demonstration project. Proposed by Californian company Cierco Project Corporation, the project is located offshore the Vandenberg Air Force Base (AFB) in Santa Barbara County.

The CADEMO project will consist of 4 turbines deploying two differing innovative floating wind technologies; establishing a new global floating offshore wind industry centered in California. The turbines will be located in Californian state waters between 2 to 3 miles offshore at water depths between 279 to 315 feet (85 to 96 meters). The power generated from the turbines is intended to feed power directly to the Vandenberg Air Force Base as well as interconnecting to the broader California electricity grid.



The map above shows the project location as depicted in the State Lands Commission application for reference. The layout could potentially change as we move through the permitting process and we look forward to further discussions with stakeholders about locations in the vicinity.



## Why is the CADEMO Project Being Developed ?

The CADEMO project is being developed to deliver the following goals:

- \* Demonstrate two different floating wind technologies at full scale with turbines each with capacities in excess of 12 megawatts (MW). It will inform the future design of floating wind farms, bringing costs down for future offshore wind in California.
- \* Support renewable energy production to meet California renewable goals.
- \* Contribute to the development of offshore wind in California by acting as a “pathfinder” project by piloting the development, construction, installation and operation of floating offshore wind on the US west coast with a demonstration project at smaller scale to inform future larger efforts.
- \* Identify and maximize the potential opportunities and benefits to the local California wind energy supply chain and employment opportunities.
- \* Provide a unique opportunity for industry and academic research enabling a research platform and educational facility in a wide range of technical disciplines. (e.g. environment, engineering, economics, materials, industrial processes, etc.)

## The Floating Technology Designs to be Deployed

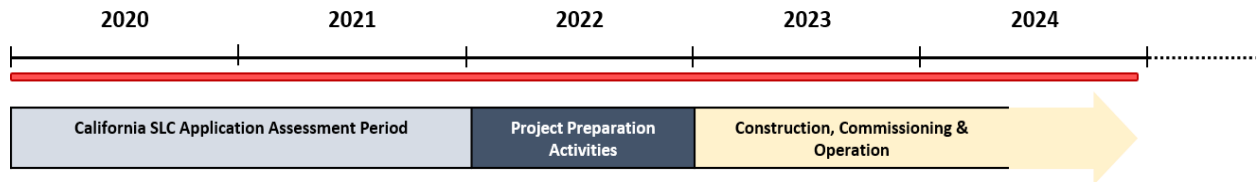
### Tension Leg Platform (TLP)

### Floating Barge

A TLP is a lightweight steel floating platform that is anchored under tension to the seabed. Most of the structure is submerged to avoid the action of waves. The TLP design being considered has been developed by SBM Offshore.

The floating barge design being considered is a twin hulled ship-shaped floating barge made from reinforced concrete with lower steel content, using its size for stability. The barge considered is the SATH technology designed by Saitec.

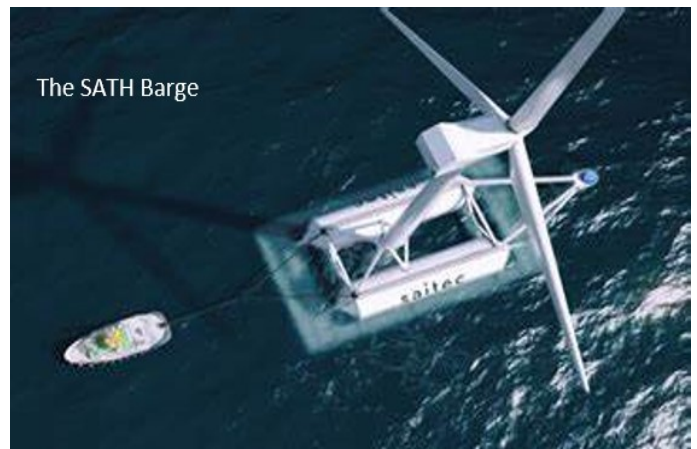
## PROPOSED PROJECT TIMELINE



## PARTICIPATE IN CADEMO

The Cierco project team looks forward to engaging with stakeholders and the public as we move forward from the initial concept stage through the permit, design, construction and eventual operation of the project.

- ⇒ Providing feedback directly through our email: [cademo@ciercoenergy.com](mailto:cademo@ciercoenergy.com).
- ⇒ Joining our mailing list to learn about public engagement activities such as webinars
- ⇒ View the project website, [www.cademo.net](http://www.cademo.net), for updates and technology information.



## CADEMO PROJECT FACT SHEET



If you have any questions, or need further information on the CADEMO project, please contact Marc Murray, the CADEMO Project Director, by sending an email to [cademo@ciercoenergy.com](mailto:cademo@ciercoenergy.com) or visit <http://www.cademo.net>