

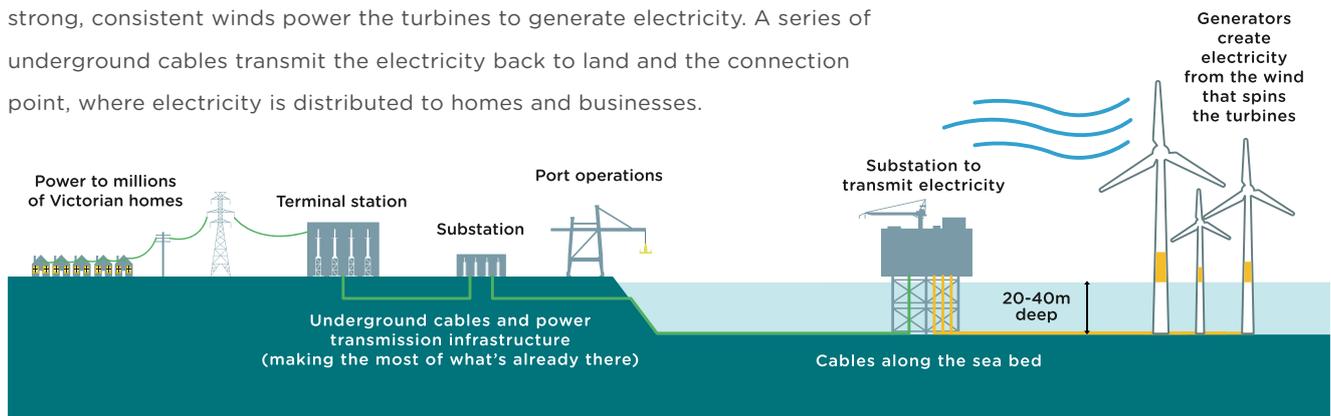
About offshore wind



The Star of the South is Australia's first proposed offshore wind project. Located between 10 and 25 kilometres off the south coast of Gippsland, the Star of the South would be able to power an estimated 1.2 million homes at its full capacity, providing a reliable, consistent and environmentally-friendly source of energy for Victoria.

How it works

Offshore wind farms generate electricity by placing turbines in the sea, where strong, consistent winds power the turbines to generate electricity. A series of underground cables transmit the electricity back to land and the connection point, where electricity is distributed to homes and businesses.



A proven, reliable energy source

Electricity generated by wind turbines in the sea is a proven form of reliable energy production. The first offshore wind project was built in Denmark in 1991.

Today, dozens of offshore wind farms are in operation and construction across Europe, and more are developing in countries such as the United States and Taiwan.

In the United Kingdom alone, more than 30 offshore wind farms supply power for 12 million homes every year.

Advantages of offshore wind

Offshore wind has a range of advantages over other energy sources including:

- The winds at sea are generally more constant with greater wind speeds and strength than on land, meaning offshore wind farms can produce more electricity, more reliably.
- Offshore wind projects don't compete with other land uses meaning there is less impact on local communities and the environment.
- The costs to develop and build offshore wind projects are declining every year, making it an appealing alternative to traditional and other renewable forms of energy.
- The size and scale of the construction, operations and maintenance requirements of projects creates thousands of jobs.

Countries around the world are innovating to create secure and reliable energy supplies, while reducing carbon emissions to address climate change.

The Star of the South would provide a reliable and environmentally-friendly energy supply for Victoria and help meet national and international commitments to energy and emissions targets.



Bringing offshore wind to Australia

The Star of the South is being developed by local Australian developers with global offshore wind experts Copenhagen Infrastructure Partners and delivery partners Copenhagen Offshore Partners.

With decades of experience in developing large energy and infrastructure projects, including offshore wind farms, the Star of the South project team includes some of the best in the industry. The Copenhagen Infrastructure Partners team has been involved with 30 per cent of offshore wind projects installed globally.

Investigations and project development work has been underway since 2012, showing

that the south coast of Gippsland in Victoria's east provides strong conditions for a successful offshore wind project. Investigations show that the wind patterns are strong, the water depth is suitable and there is good access to existing electricity connection and transmission infrastructure.



Gippsland and the Latrobe Valley has multi-generational strength in developing and supporting power plants and offshore oil and gas exploration in Bass Strait and the team is committed to supporting locals to transfer these skills to offshore wind.

The time is right for the Star of the South to lead the development of offshore wind in the southern hemisphere – a game-changer and world class project for the Gippsland and Latrobe Valley regions, Victoria and Australia.

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