

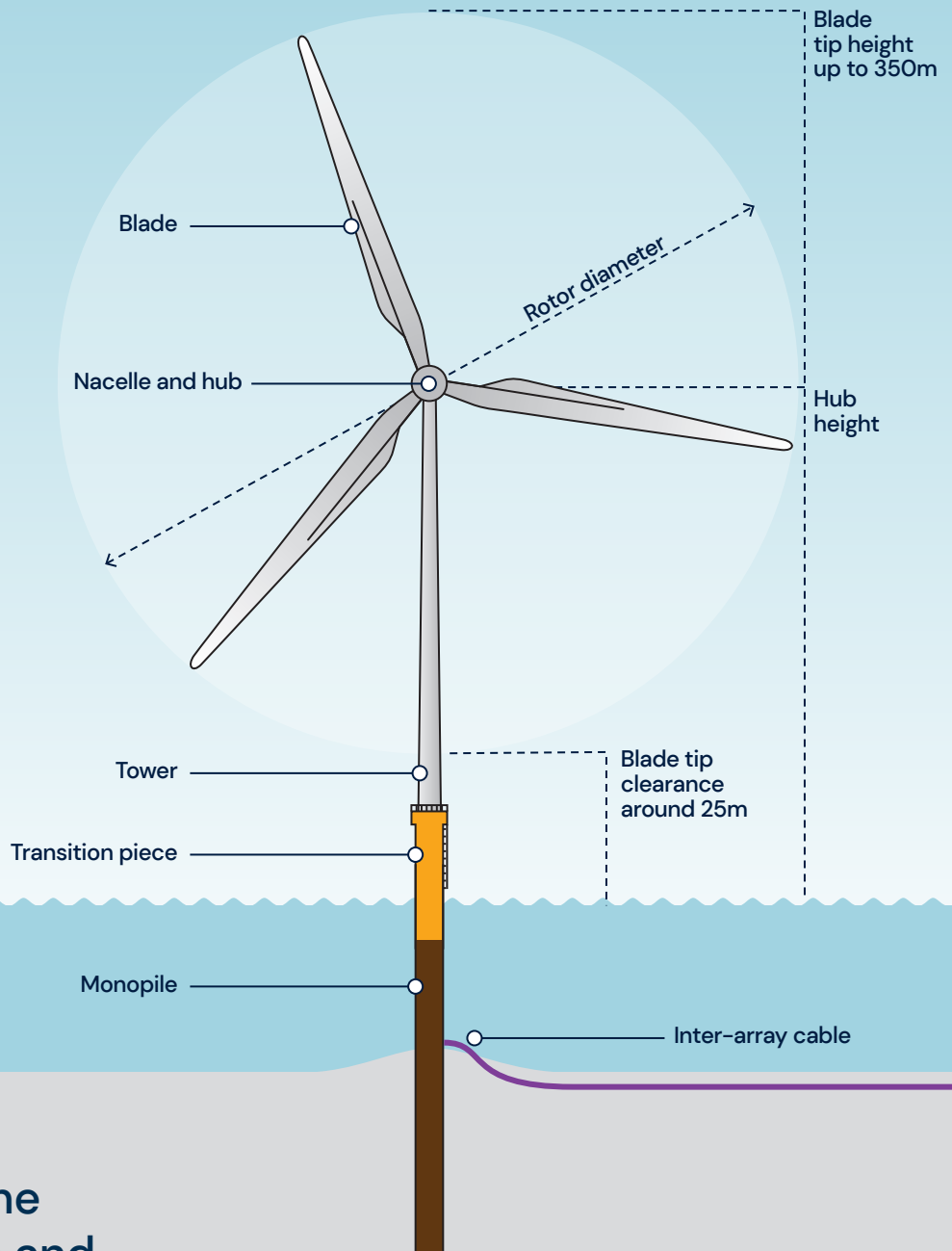


# Offshore wind turbines

## We're exploring a project with up to a maximum of 200 turbines

Wind turbines generate electricity from the wind's energy. They are the most important part of an offshore wind project. Many important factors are considered in selecting the right turbine. We'll use a turbine in the 12-18 MW size range.

The life of an offshore wind turbine is around 30 years – but can be longer with good maintenance



## We'll select a turbine after investigations and assessments are complete



We are here

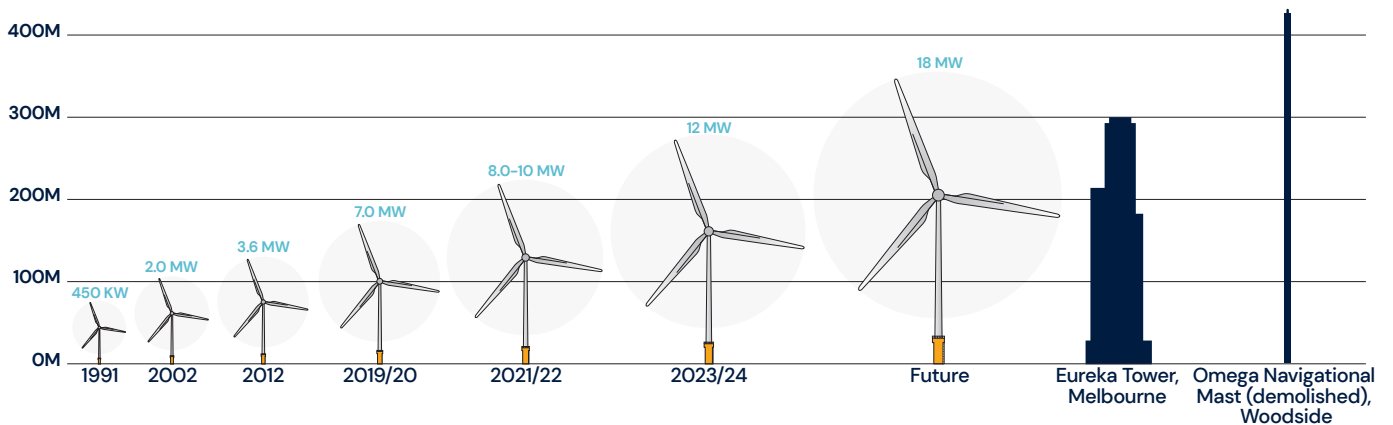
# Turbine technology is still advancing

New developments in technology and learnings from other projects are helping to:

- Produce more electricity from fewer turbines
- Bring down the cost of electricity
- Reduce construction impacts
- Extend turbine lifespan
- Improve sustainability
- Improve safety for workers maintaining the turbines.

The world's first fully recyclable turbine blade was produced in 2021!

## Turbines have grown to become more efficient



## Here's what we'll consider before selecting a turbine

### Manufacturer's advice

Which turbines are recommended for the project's timing and local conditions?

### Wind profile

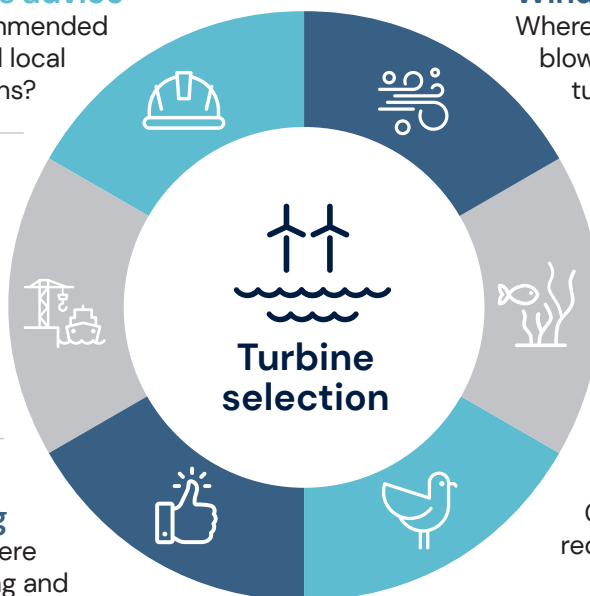
Where, when and how is the wind blowing in the project area? Which turbine is best suited for this wind profile?

### Port availability and capacity

Which ports are available and have the capacity needed to handle turbine components and vessels needed for construction and operations?

### Local jobs and manufacturing

What opportunities are there to localise manufacturing and support local jobs?



### Seabed conditions

Which type of turbine and foundation is appropriate for the local geology?

### Environmental conditions

Can environmental impacts be reduced through turbine selection?

## More information

To find out more about the Star of the South project and register for updates:

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