

# NEWSLETTER OCTOBER 2024



## CREATING THE ENERGY OF TOMORROW

We're excited to be exploring Victoria's offshore wind potential off the south coast of Gippsland.

Star of the South would harness strong offshore winds in Bass Strait to power 1.2 million Victorian homes and create long-term, local jobs.

Star of the South is well progressed - we've been studying this area since 2019 and know it's a great spot for offshore wind. Now, we're moving forward with environmental approvals – expected to be submitted next year.

We're also excited to build on the benefits of Star of the South with a new project, Kut-Wut Brataualung. This project is in the early stages of development.

You can find out more about our projects on [pages 2–3](#).

## WHY OFFSHORE WIND

Offshore wind plays to Gippsland's strengths.



### STRONG AND CONSISTENT WINDS

Just one spin of an offshore wind turbine can power an average Australian home for 48 hours.



### LARGER-SCALE FOR MORE POWER

Out at sea, projects can be bigger and turbines taller to supply more electricity to the grid when it is needed.



### JOBS AND INVESTMENT

Offshore wind projects would inject billions into the local economy and create long-term jobs.



### FOR A MORE RELIABLE SYSTEM

Offshore wind taps into different weather patterns - helping create a diverse and reliable energy system.



### LOCAL KNOW-HOW

An offshore wind industry would leverage the skilled local energy workforce and established supply chains.



## GET INVOLVED

Upcoming information sessions:

- Seaspray
- Foster
- Traralgon
- Yarram

**Check the back page for details.**

# OUR PROJECTS

Together, Star of the South and Kut-Wut Brataualung would:



INJECT UP TO \$7 BILLION IN THE GIPPSLAND ECONOMY



POWER 2.4 MILLION HOMES



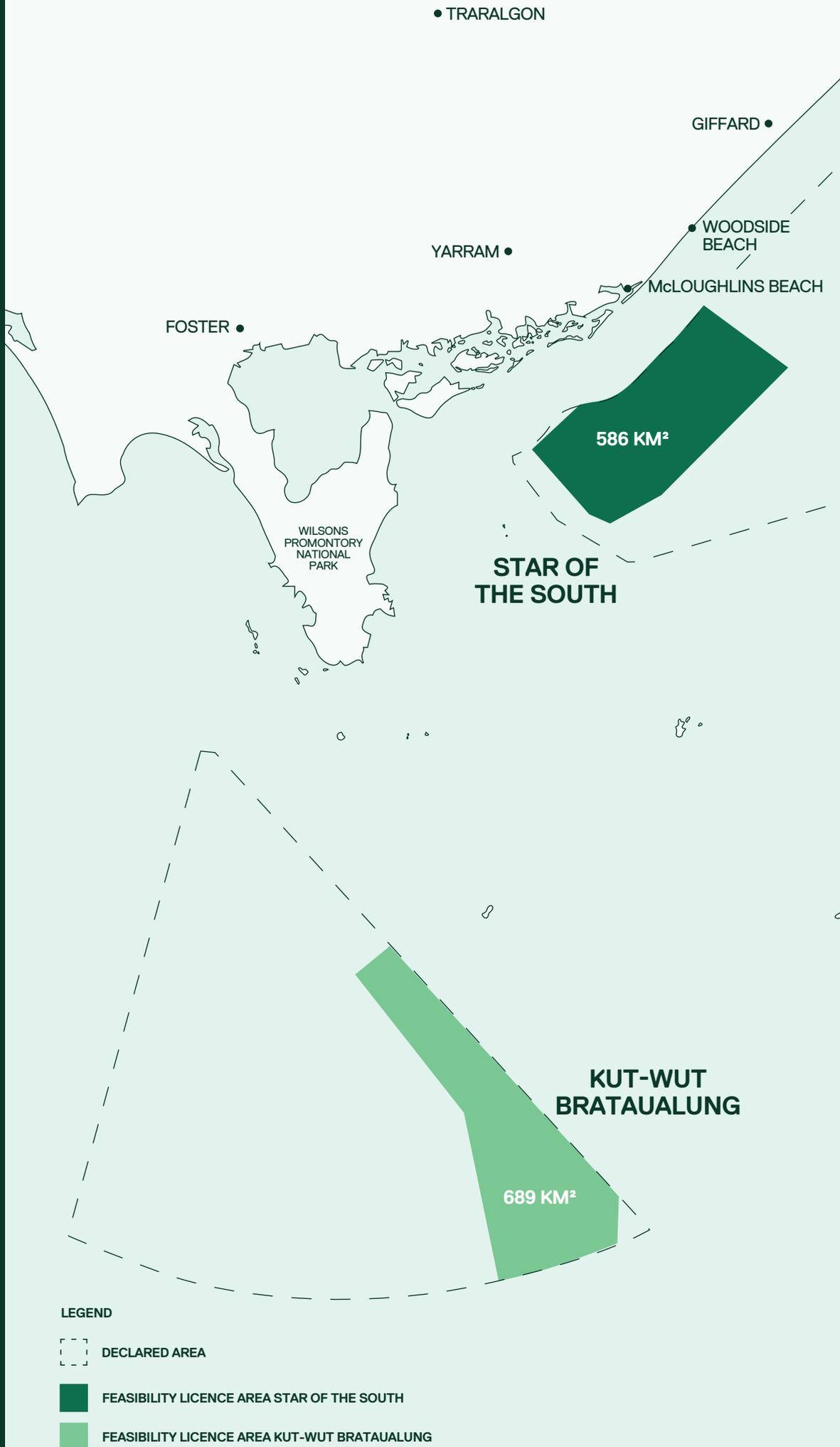
CREATE UP TO 1,700 GIPPSLAND JOBS ACROSS THE PROJECTS' LIFE



SAVE 15 MILLION TONNES OF CO<sub>2</sub> EMISSIONS PER YEAR



SCAN THE QR CODE TO MEET OUR GIPPSLAND TEAM.



## ABOUT STAR OF THE SOUTH

Star of the South is Australia's most advanced offshore wind project.

It would harness strong Bass Strait winds to power up to 1.2 million Victorian homes and create a new industry with local jobs.

We've been studying the local area since 2019 under an exploration licence and know it's an ideal location with strong winds, suitable sea depths and good seabed conditions.

The project is currently in the advanced feasibility phase, focusing on preparing environmental assessments to seek approvals.

Star of the South is proposed to include up to 150 turbines, a transmission connection and use of existing ports during the project's construction and operations.

The project would use underground cables on land, from near the coast to a VicGrid connection hub. Find out more about VicGrid at [energy.vic.gov.au](http://energy.vic.gov.au)

Star of the South could start generating electricity from around 2030 to help achieve Victoria's offshore wind target of 2 GW by 2032.

UP TO 2.2 GW CAPACITY

10 KM FROM THE COAST

586 KM<sup>2</sup> FEASIBILITY LICENCE AREA

UP TO 150 TURBINES

TURBINES UP TO 350 M TALL

UP TO 5 OFFSHORE SUBSTATIONS

OPERATES FOR AROUND 30 YEARS

FEASIBILITY, DEVELOPMENT & APPROVALS

6-10 YRS

CONSTRUCTION

4-6 YRS

30 YRS

OPERATIONS & MAINTENANCE

DECOMMISSIONING

2-3 YRS

↑ WE ARE HERE

↑ ENVIRONMENT AND PLANNING APPROVALS & COMMERCIAL LICENCE NEEDED TO PROCEED

Indicative only. Subject to change.

## ABOUT KUT-WUT BRATAUALUNG

Our second Bass Strait project is located 45 km from the tip of Wilsons Promontory, in an area with especially strong winds.

Kut-Wut Brataualung is at the very earliest stage of development. We'll assess its feasibility over the coming years, starting with wind and wave monitoring, followed by marine environmental surveys to build

our understanding of local species and conditions. We'll also look at options for where and how this project could best connect to the grid. We will keep you posted about any site investigations before they start.

We aim for Kut-Wut Brataualung to follow Star of the South and supply electricity to meet Victoria's offshore wind target of up to 9 GW by 2040.

UP TO 2.2 GW CAPACITY

45 KM FROM THE COAST

689 KM<sup>2</sup> FEASIBILITY LICENCE AREA

OPERATES FOR AROUND 30 YEARS

FEASIBILITY, DEVELOPMENT & APPROVALS

7 YRS

CONSTRUCTION

4-6 YRS

30 YRS

OPERATIONS & MAINTENANCE

DECOMMISSIONING

2-3 YRS

↑ WE ARE HERE

↑ ENVIRONMENT AND PLANNING APPROVALS & COMMERCIAL LICENCE NEEDED TO PROCEED

Indicative only. Subject to change.



## PROJECTS BY SOUTHERLY TEN

Both projects are being developed by Southerly Ten - a specialist offshore wind company for Australia and New Zealand, from the team behind Star of the South and Copenhagen Infrastructure Partners.

You'll continue to see the same friendly Star of the South team working on these projects and with the local community.

Find out more at [southerlyten.com.au](http://southerlyten.com.au)

# STAR OF THE SOUTH

## WHERE WE'VE BEEN

2019

EXPLORATION  
LICENCE



### Investigations and studies

We've completed five years of site investigations to understand the local environment and conditions.

- ✓ Measuring wind and wave conditions
- ✓ Studies to understand the seabed conditions
- ✓ Marine mammal, bird, fish and other environmental surveys
- ✓ Transmission, grid and engineering studies



### Suppliers

We're working with the local and global supply chain as we plan for the project.

- ✓ Identifying millions of dollars of opportunities for local businesses to supply the offshore wind industry
- ✓ Hosting a Gippsland steel roundtable to share information about local opportunities
- ✓ Engaging with local and international suppliers



NOW

FEASIBILITY  
LICENCE



### Community engagement

We believe that involving people from the beginning is the best way to make projects better.

- ✓ Listening to ideas and feedback to help shape a project that is good for Gippsland
- ✓ Attending career expos, community events and presentations
- ✓ Working with the Gunaikurnai Land and Waters Aboriginal Corporation
- ✓ Welcoming visitors to our Gippsland office



### Offshore wind progress

Offshore wind has grown from an idea to an industry in Australia.

- ✓ Offshore Electricity Infrastructure Act 2021
- ✓ Offshore wind regulations in place
- ✓ Awarding of offshore wind feasibility licences
- ✓ Advancements in turbine technology



### Jobs

We're looking at how locals can get ready for a future career in offshore wind.

- ✓ Highlighting typical offshore wind jobs in the Offshore Wind Jobs Guide
- ✓ Working with education and training providers so locals can access offshore wind training
- ✓ Mapping offshore wind job opportunities, including pathways for young people and coal, oil and gas workers
- ✓ Talking to students and community members at career and job events



### Fishing

Many types of fishing can continue in an operational wind farm.

- ✓ Meeting with commercial fishers who use the area
- ✓ Talking with recreational fishers at local boat ramps to understand how they fish in Bass Strait
- ✓ Attending fishing events to answer questions about offshore wind

## REFINING THE PROJECT

Thanks to everyone who has taken the time to talk with us, give feedback and share local knowledge over the years.

A lot has changed since we first started work on the project - for example, government plans and requirements for offshore wind are much clearer now and turbine technology has continued to advance.

Using this new information and data, we've been able to refine the project and confirm some extra details.



### Turbines

We've reduced the maximum potential number of turbines from 200 to 150. This means there'll be fewer, taller turbines which can be seen but not heard from land.



### Underwater noise

We're exploring both established and cutting-edge technologies to reduce underwater noise from vessels and construction activities to protect marine mammals.



### Protecting the coastal environment

We'll avoid high profile reefs on the seafloor and use a no-trench construction method at the shoreline where the cables reach land, to minimise any disruption to the beach and dunes.



### Farmland

We'll use underground cables from the shore to the VicGrid connection hub.



### Fishing

We've listened to feedback and collected data from fishers to help plan the project. We'd ask fishers to keep clear of construction areas for everyone's safety. Once the wind farm is up and running, many types of fishing could continue with some safety restrictions.



### Cultural Heritage

We're working closely with the Gunaikurnai Land and Waters Aboriginal Corporation to preserve Cultural Heritage and develop a responsible project that creates opportunities and benefits Gippsland's Traditional Custodians.



### Marine life

We've collected three years of marine data and are modelling any potential effects of the project for our Environmental Impact Assessment.



## WHAT'S NEXT

We're working hard to make Star of the South ready to deliver power when it's needed.

We're preparing an Environmental Impact Assessment (EIA) with the data collected over the past five years to support the project's planning applications.

Once complete, our EIA will be made publicly available for review and submissions can be made through a formal process. We'll keep you posted on timing and opportunities to get involved.

Other major activities in the coming years include:

- Participating in the Victorian Government auction process
- Applying for a commercial licence
- Making a final investment decision.

## VISUALISING STAR OF THE SOUTH

We're often asked what the offshore wind farm could look like. We've updated our interactive tools so you can see for yourself.

Visit the interactive map on our website to:

- See views of the proposed wind farm from different places
- View videos
- Explore the project area.

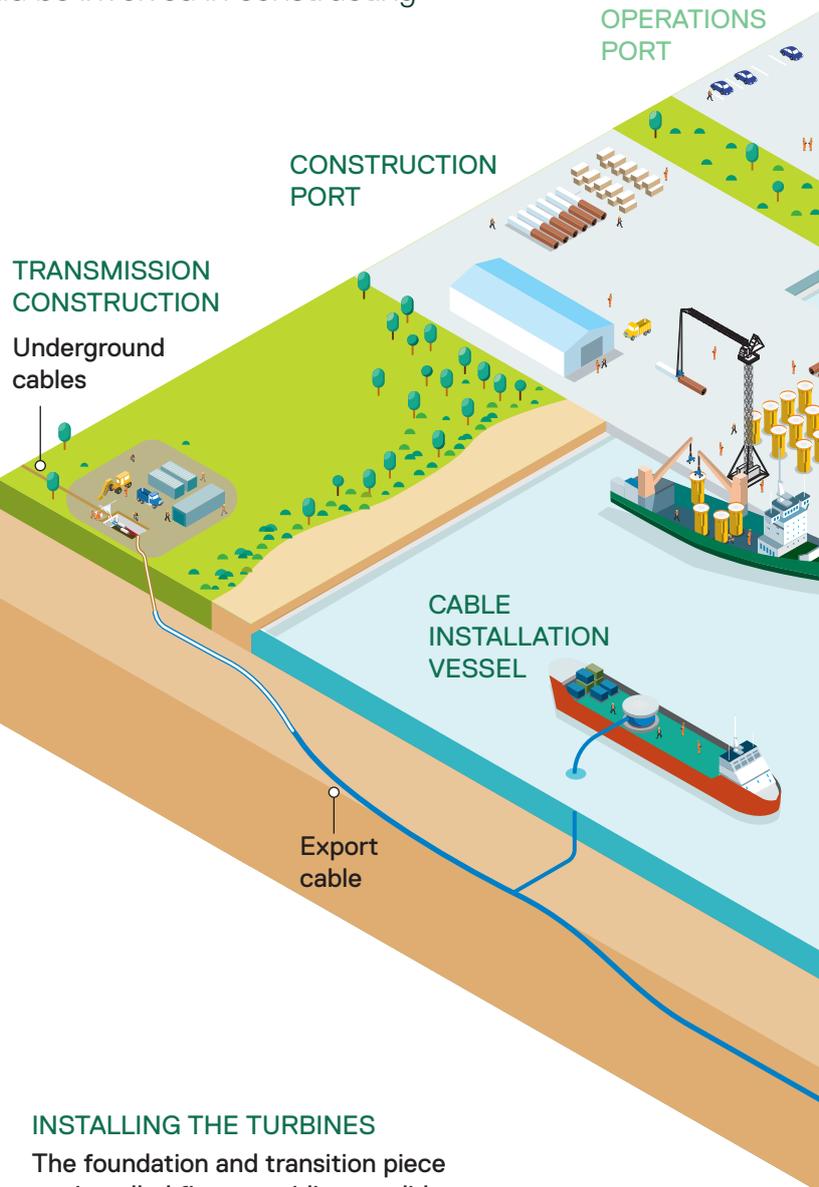
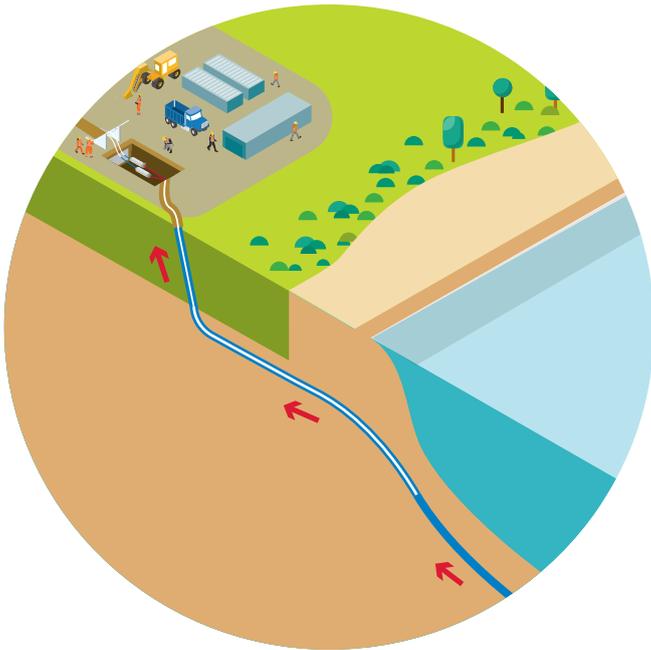


## WHAT'S INVOLVED?

Star of the South will need a range of approvals before it can proceed to construction. Here's a snapshot of what would be involved in constructing and operating the project.

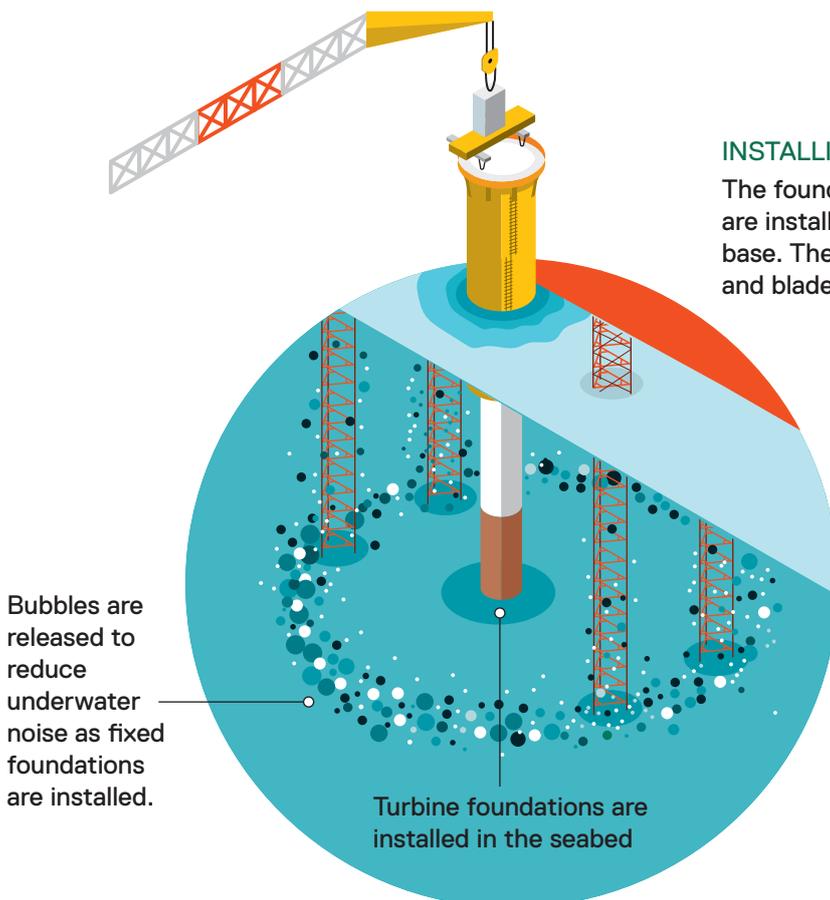
### BRINGING CABLES TO SHORE

Cables are connected to land by pulling them underground through a duct, protecting the beach and dunes.



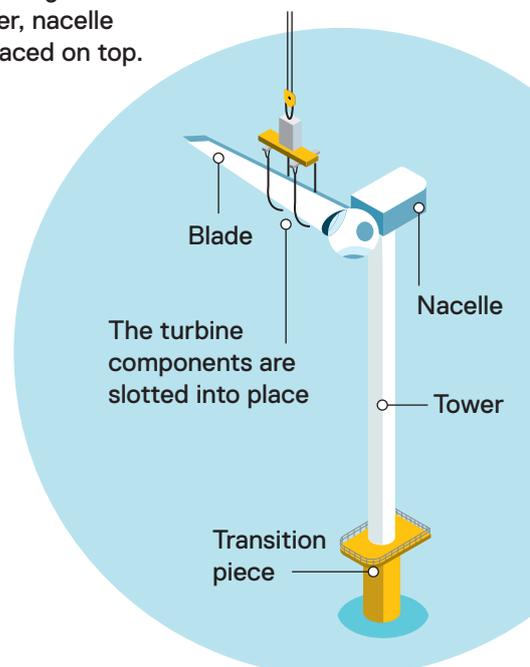
### INSTALLING THE TURBINES

The foundation and transition piece are installed first, providing a solid base. The turbine tower, nacelle and blades are then placed on top.



Bubbles are released to reduce underwater noise as fixed foundations are installed.

Turbine foundations are installed in the seabed



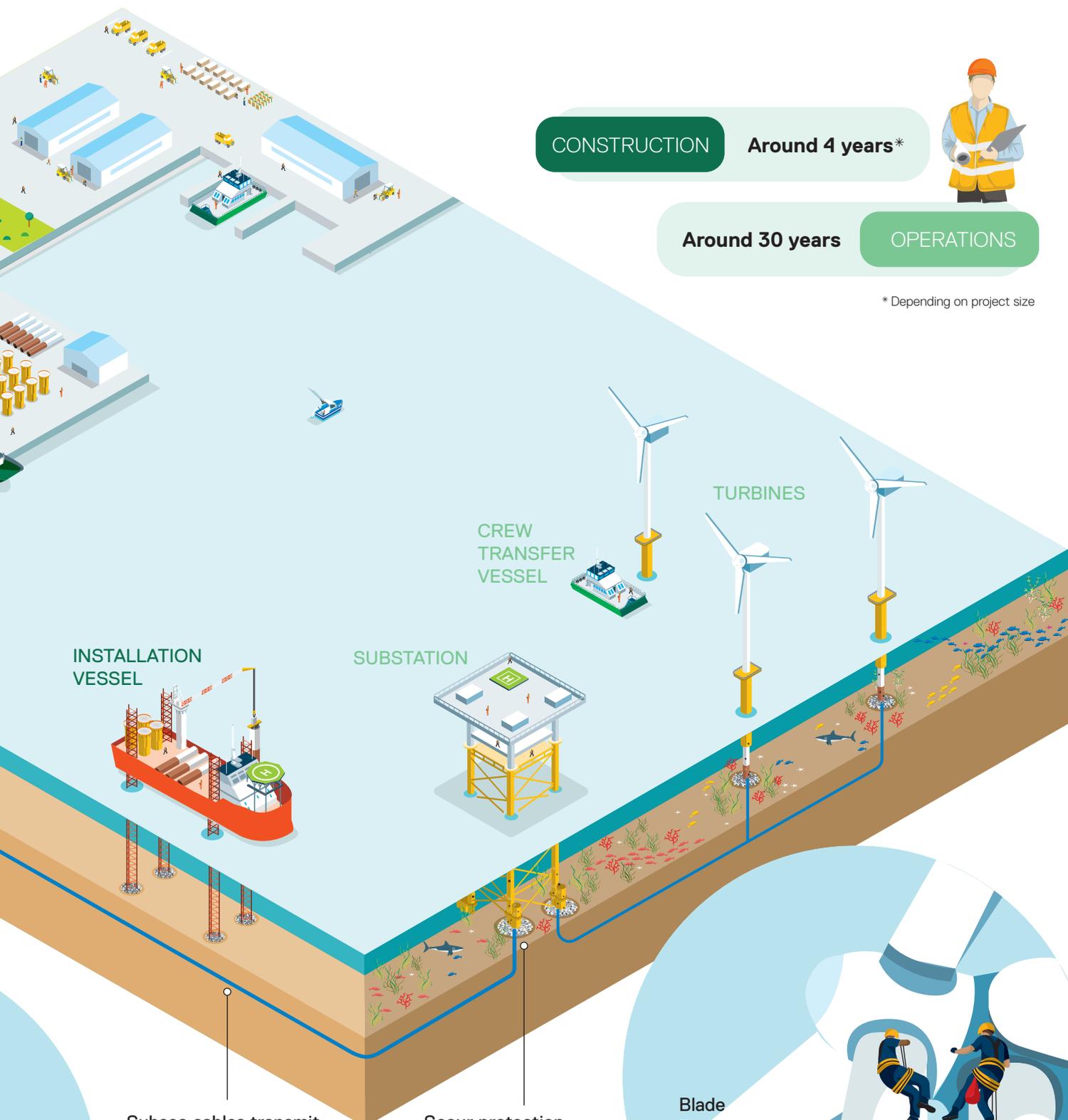
The turbine components are slotted into place

Transition piece

Blade

Nacelle

Tower



**CONSTRUCTION**    **Around 4 years\***



**Around 30 years**    **OPERATIONS**

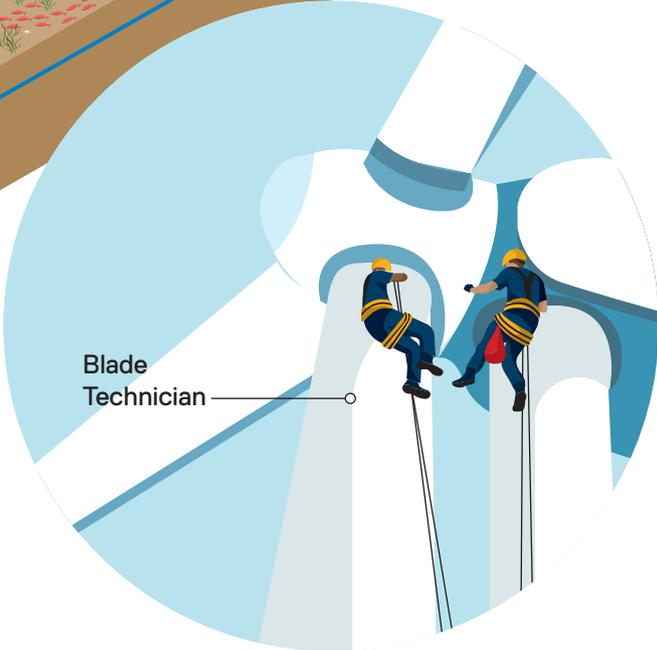
\* Depending on project size

Subsea cables transmit electricity from the turbines to the substation, and from the substation to shore.

Scour protection around foundation bases protects them from erosion from waves and currents.

**OPERATIONS AND MAINTENANCE**

Workers travel from an operations port to undertake maintenance and keep the wind farm running.



Blade Technician

Graphic is indicative only and not to scale



Whether you have questions, feedback or just want to learn more about offshore wind, there are lots of ways you can reach us.

## GIPPSLAND OFFSHORE WIND DAYS

Join us, and other Gippsland offshore wind developers, at these upcoming events. Come along to learn more about offshore wind and hear about our projects.

We'll use the ideas and feedback we hear to help shape our projects and improve the way we do things.

Feel welcome to drop in at any time and talk with our team. Find out more at [starofthesouth.com.au](http://starofthesouth.com.au)

Where	Date	Time	Details
Seaspray	Friday 8 November	4:30 pm – 6:30 pm	Seaspray Surf Life Saving Club
Foster	Wednesday 13 November	3 pm – 6 pm	Manna Gum Community House
Traralgon	Thursday 14 November	4 pm – 6 pm	Meeting Room 1 & 2, Gippsland Performing Arts Centre
Yarram	Saturday 23 November	8:30 am – 3:30 pm	Yarram Agricultural Show, Yarram Recreation Reserve



### GET IN TOUCH



CALL OR EMAIL US ANYTIME



FOLLOW US ON FACEBOOK  
'STAR OF THE SOUTH PROJECT'



VISIT OUR GIPPSLAND OFFICE, OPEN TUESDAYS,  
WEDNESDAYS AND BY APPOINTMENT.

Our Gippsland team - Jason, Lachlan, Erin, Stella and Paul

PROJECTS BY



[southerlyten.com.au](http://southerlyten.com.au)  
1800 340 340  
[info@southerlyten.com.au](mailto:info@southerlyten.com.au)  
310 Commercial Road, Yarram

LinkedIn **SoutherlyTen**  
Facebook **Star of the South Project**  
Interpreter **Call 13 14 50**

We acknowledge the people of the Gunaikurnai nation as the original custodians of Country and pay our respect to Elders past and present.