

Expression of Interest – Digital 3D model and visualisation tools

About Star of the South

Star of the South is Australia's first offshore wind project, proposed to be located off the coast of Gippsland in Victoria. It would harness strong Bass Strait winds to power Victorian homes and create a new industry with local jobs. The project involves up to 200 turbines in the sea, generating electricity from offshore wind and connecting via underground cables to the Latrobe Valley. Star of the South has been in development for several years and is in the feasibility phase with environmental assessments underway to support planning and approvals.

What we're looking for

We are seeking expressions of interest from experienced suppliers able to deliver a digital 3D model of the project and associated interactive visualisation tools to communicate visual aspects of the project to our stakeholders.

We anticipate the following deliverables:

- Digital 3D model for the **offshore** wind farm including:
 - Offshore infrastructure (turbines, substations and cabling)
 - Toggling between different turbine sizes and site layout options
 - Toggling between time of day, sea and weather conditions
 - View and navigation from vessels in the water
 - Views of the wind farm from land
 - Visual of turbine components from tip to subsea pile
 - Ability to 'fly through' the project area
 - Digital 3D model for the **onshore transmission** infrastructure including:
 - Approx. 75km alignment with two substations, cabling, landfall site
 - Sections showing key stages of construction, including for HDD construction at the landfall site
 - Buildings, trees and roads built up to 3D quality in key locations
 - Views of substations from key locations during construction, upon completion, 1 year later, 5 years later and 10 years later
 - Ability to 'fly through' the project area
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- Interactive, user-friendly tools to share model outputs, such as:
 - AR or VR applications
 - An interactive online map
 - Videos / animations to highlight key information, views and activities
- Virtual training session for the project community team

Our objective is to help bring the project to life visually for people who want to understand how project infrastructure could appear when built and during construction. The 3D model would need to be accessible and operable by our community team.

We would use the tools produced to support project communication and engagement with landholders, local communities, other users of the sea, government regulators and other stakeholders.

EOI responses

Respondents must demonstrate recent and relevant experience delivering similar work for major infrastructure projects. Offshore wind experience and regional Australian experience are highly regarded. Collaborations between international companies with experience in the offshore wind sector and local suppliers is welcomed.

Respondents are requested to provide:

- Company details including:
 - Address of any Australian subsidiaries which may be involved in scope delivery (if applicable)
 - Identifying if indigenous owned and provide evidence of registration with Supply Nation, Kinaway or another relevant organisation (if applicable).
- A capability statement that includes:
 - The company/ies involved and explaining relevant services
 - Links to relevant work / portfolio
 - An outline of potential local collaboration opportunities (if applicable)
 - A summary of key personnel and their experience (no more than two pages).

Shortlisted respondents will be asked to provide a quotation.

Please note this is a two-step EOI process.

1. Ensure your profile is up-to-date and submit an EOI via ICN Gateway.
2. Send further documentation outlined above (company details and capability statement) to info@starofthesouth.com.au by **5pm (AEST) Friday 8th October 2021**.

Timeline

Expression of Interest (EOI) opens	Tuesday 28 September 2021
EOI response deadline	Fri 8 October 2021 5pm AEST (Melbourne time)
Estimated date Request for Quotation (RFQ) is released to shortlisted EOI respondents	Mon 11 October 2021
Estimated closing date for RFQ responses	Sun 24 October 2021
Estimated contract awarded	Friday 5 November 2021
Estimated project kick off with successful supplier	Thu 8 November 2021
2-3 progress meetings during development	TBD
Estimated delivery of 3D model and relevant assets	31 January 2022

Contact us

Enquiries regarding this EOI can be directed to info@starofthesouth.com.au