

Kathleen Valley

Objective

The primary objective was to deliver a full-scope installation and completion package for the Goldwind 6MW turbines on the GWA mine site. This included mechanical and electrical installation activities, completion works, and expanded scope elements such as blade repairs, ensuring the project progressed efficiently, safely, and to the highest quality standards.

Our Solution

- Mobilised full installation teams, including mechanical and electrical completion personnel, to support end-to-end turbine assembly.
- Deployed specialist blade technicians to deliver additional scope variations, including blade repairs and technical support.
- Provided on-site supervision and coordination to maintain high-quality workmanship and compliance within a demanding mine-site environment.

At a Glance

Challenges

Project delivery was influenced by the extreme remoteness of the site, which posed logistical and resource-planning challenges and required a highly self-sufficient operational setup. Working on a live mining site also meant adhering to stringent safety expectations far exceeding typical wind-industry standards. Additionally, extreme environmental conditions—regularly exceeding 50°C inside the towers—required careful management of working hours, heat-stress protocols, and task sequencing. The deployment of Australia’s first Goldwind 6MW platform also introduced new technical considerations, requiring rapid adaptation and close collaboration with the OEM.

Value to client

The client benefited from a highly capable, well-supervised team that consistently delivered high-quality installation and completion work despite the demanding environment. Aurora ARC’s ability to supply skilled resources, maintain strong site performance, and integrate seamlessly with the client’s operational framework resulted in a successful project phase and high client satisfaction. This strong performance reinforced confidence in Aurora capabilities, contributing to positive expectations for the remaining four projects in the pipeline and strengthening the long-term partnership.

