

# Goldwind Australia

Providing a complete IT solution to a remote wind farm

## CHALLENGE

Goldwind Australia is a global leader in comprehensive wind power solutions. Goldwind's current globally installed wind power capacity involves approximately 25,000 installed wind turbine generators running in 17 countries on six continents. They are the world's largest manufacturer of wind turbines.

Goldwind was offered a TCP/IP tunnel by an Electrical Grid Operator between their wind farm asset and a data centre. The grid company was unable to provide the data centre or secure access to the internet.

Goldwind's challenge was the remote location of their windfarm meant they were unable to get internet connection.

There were 13 staff in a remote office who needed internet access to be able to monitor the analytics from the windfarm and communicate with their colleagues in other locations.

ASE were engaged to analyse the grid company's offering and help fill the gaps to ensure Goldwind's needs were met.

## SOLUTION

ASE provided Goldwind with a cost-effective, scalable solution which resulted in connectivity on the remote site and better transparency on the activities that had been commissioned.

ASE used the intrastate fibre network to give the remote wind farm a functioning IT network with internet and cloud services on par with those in the Goldwind's capital city offices.

For the first time, Goldwind's city offices were able to receive real-time data from the windfarms in remote areas, meaning a reduced need for staff to travel to the sites for testing. This solution also saved Goldwind time and money on travel.

On location at the remote wind farm, Goldwind are able to use WIFI and mobile phones with five bars of coverage. Prior to ASE's involvement, there was zero to one bar of mobile service available on-site. The wind farm also has a secure OT network that can be accessed internationally.





## OUTCOME

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ASE provided Goldwind with an intrastate fibre network to give the remote wind farm a functioning IT network with internet and cloud services, which filled the gaps not provided by the grid company.

ASE also provided Goldwind with real-time analytics from the remote site to the city. This allowed Goldwind staff at the remote sites the ability to operate effortlessly within the region with the access and reliability of their CBD counterparts

"Goldwind have been thrilled with the service and solutions provided by ASE and as a result we recommend them both internally for new projects but also outside of our organisation." Steven Nethery, Technical Services Manager, GoldWind



ASK



SOLVE



EVOLVE

for the CBD based team at Goldwind, this allowed them to save travel time to the remote sites as all the analytics were streamed in real-time to the office. The ability to have real-time data streamed to the office also provided a cost saving in travel expenses as well as the staff more work-life balance with the reduced travel hours.

The CBD based team were also able to have better transparency of the data and were able to do testing from the comfort of their office.

In turn, this solution has led to increased productivity and efficiency at Goldwind.

