

A photograph of the Mortlake South Wind Farm at sunset. The sky transitions from a deep blue at the top to a warm orange and yellow near the horizon. Numerous wind turbines are silhouetted against the sky, with their lights glowing. The turbines are reflected in the calm water in the foreground. The overall scene is serene and captures the beauty of renewable energy in a natural setting.

PROJECT/

# MORTLAKE SOUTH WIND FARM

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Project Name

MORTLAKE SOUTH WIND FARM

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Date

2021

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Location

MOYNE SHIRE

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Client

MORTLAKE SOUTH WIND FARM

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Website

ACCIONA.COM.AU

# ABOUT THE CLIENT

Acciona's fifth wind farm in Australia, with 157.5 MW of power and battery storage.

The wind farm was constructed on cleared open and level land that is predominantly used for dairy farming.

In 2018, the Mortlake South Wind Farm was successful in the Victorian Renewable Energy Target (VRET) reverse auction. VRET is the Victorian Government's legislated target aiming for 25% of electricity generation from renewable sources by 2020 and 40% by 2025.



## 5 SBL SOLUTIONS PROJECTS

The Mortlake South Wind Farm is Acciona's fifth in Australia and third in Victoria. The wind farm prevents the emission of approximately 532,000 tonnes of CO2 from coal-fired power stations per year.

It is equipped with a battery storage facility of between 4 and 5 MW of power, to increase their performance and facilitate their integration into the grid.

## MORTLAKE SOUTH WIND FARM

35

Nordex 4.5MW Wind Turbines

157.5 MW

Maximum Capacity

117,000

Homes Powered from the Wind Farm in Australia

# RELATIONSHIP

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Engaged by Nordex Acciona:



With the acquisition of Acciona Windpower in 2016, the Nordex Group has become a global player and one of the world's largest wind turbine manufacturers. The Group offers highly efficient and competitive wind turbine systems, which enable long-term economical power generation from wind energy in all geographical and climatic conditions.



7 SBL SOLUTIONS  
PROJECTS

MORTLAKE SOUTH WIND FARM

# THE SOLUTION

SBL Solutions held the Mechanical and Electrical Installation and offloading scope of works on this construction project which saw the installation of 35 Nordex Acciona Wind Turbine Generators.

Mortlake South Wind Farm, 2021, Victoria

# COMMUNITY

## SIGNIFICANT ECONOMIC ACTIVITY WITH POSITIVE EFFECT ON THE REGION

Generation of 80-100 construction jobs and up to 10 ongoing operations and maintenance jobs on site for the life of the project (~20+ years).

The farm brings substantial additional economic focus in the Moyne Shire, complementary to ongoing dairying, grazing, cropping, tourism and service activities, as well as substantial increase in the Moyne Shire's rates base.

Introduction of diversified income for host landowners and a targeted Shared Benefits Program to strategically deliver added value to the local region for the operational life of the wind farm project.



Building access roads  
for the transportation  
of equipment and  
connection routes  
between turbines



Preparing foundations to  
safely secure the turbines



Assembling towers -  
tower, 3 blade rotor  
and nacelle



Connection of  
the turbines



Operations and  
maintenance building to  
accommodate on-site staff



Construction complete  
- commissioning and  
operation

# LOCATION

The wind farm was constructed on cleared, level land which is predominately dairy farming country. The location was selected for its high exposure to consistent winds across this part of the state and close proximity to the transmission network.

The location is highly exposed to consistent winds, making the site ideal for wind powered electricity generation. Livestock grazing will continue around the wind turbines once construction is complete.

The Shire of Moyne is a local government area in the Barwon South West region of Victoria, Australia, located in the south-western part of the state. It covers an area of 5,481 square kilometres and in June 2018 had a population of 16,887.

The industry base for the area includes dairy, beef cattle, sheep, vegetable production, manufacturing, quarrying, food products, pharmaceuticals, seafood and tourism.

# BENEFITS

Created approximately 80-100 construction jobs and potentially 5-10 full time operational positions.

A substantial increase in Moyne Shire's rates and diversifying the Shire's income base from traditional sources, as well as providing a diversified income for wind farm host landowners.

Sponsorship Program - each year approximately \$20,000 will be made available for community events, projects and activities. Community organisations and groups can apply for small grants through an application process.

Neighbourhood Benefit Program - is a proximity payment available to people who live (own or rent) in a dwelling that is located within 4kms of a wind turbine generator. The payments offered to eligible residents are made via pre-loaded EFTPOS cards, known as Neighbourhood Benefits Cards. The cards can be used to purchase goods and services at participating businesses, within Mortlake, Noorat and Terang. Up to \$180,000 is available for this program annually. The program encourages the community to shop local, keeping spending within the local economy.



# NEIGHBOURHOOD BENEFIT PROGRAM

The Neighbourhood Benefit Program has helped neighbours of the Mortlake South Wind Farm inject more than \$80,000 into the local economy.

The Neighbourhood Benefit Program was developed to share the economic benefits of the wind farm with neighbouring residents. Anyone living within 4kms of a wind turbine can apply to receive EFTPOS cards to be used at more than 40 participating businesses in Mortlake, Terang and Noorat. This means the cash flow from the wind farm stays close to home, supporting local businesses and their families.

The Program ran throughout 2020, a year that proved difficult for the business community due to the COVID-19 pandemic. During this period, the Program helped neighbours contribute almost \$50,000 to businesses in Terang, Noorat and Mortlake. The Neighbourhood Benefit Cards are predominantly being used to access necessities and are providing practical help to families with home maintenance, farming and grocery shopping.



“IT HAS TAKEN ALMOST 500,000 HOURS OF HARD WORK FROM THE LOCAL WORKFORCE TO REACH THIS IMPORTANT MILESTONE, WITH NO LOST-TIME INJURIES.”

Theo Carrol  
Acciona Community & Stakeholder Liason



# WHO WE ARE

## OUR PEOPLE

At SBL Solutions Services we invest in all our people by setting them on a path that allows them to grow and succeed.

Our people are encouraged to speak up and seek any type of assistance needed. This attitude of seeking help and assistance is linked to our strong and positive safety culture across our company.

# VISION, MISSION & VALUES

## VISION

Our vision is to provide the highest standard of service in the industry, with an emphasis on safety and quality.

## MISSION

To assist the onshore and offshore wind industry as one of the main sources of renewable energy by delivering more efficient and sustainable wind energy solutions.

## VALUES

- Continual improvement
- Reliability
- Authenticity
- Communication
- Accountability





Contact our team for project-related questions or enquiries.

THE FUTURE OF WIND TURBINE AND RENEWABLE ENERGY