

# MALLECO WIND FARM

CHILE



## PROJECT OVERVIEW

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 CLIENT  
WPD

 SCOPE  
WIND FARMS CONSTRUCTION (BoP)

 LOCATION  
AGUA BUENA, CHILE

## WHAT WE DID

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- // Earth Movements
- // 60 km of Access Roads & Ducts
- // 77 Foundations & Platforms
- // 220/33 kV Substation & Control Building
- // 38 m Girder Bridge

**481**

IMPLEMENTATION  
DAYS



**273 MW**

INSTALLED  
POWER



**ONE OF THE BIGGEST PROJECTS  
OF SOUTH AMERICA**





## CHALLENGES

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Due to the magnitude of the construction area (with an extension of approximately 68 hectares), the project required the installation of 3 site facilities with an area of 10 000 m<sup>2</sup> each. Also, due to a massive material requirement, a concrete batching plant had to be installed on site. All this for the construction of a 38 m bridge, 60 km of access roads, and 77 foundations involving large amounts of materials, such as 600 000 m<sup>3</sup> of earthmoving, 650 000 m<sup>3</sup> of aggregates for the construction of accesses, platforms, and backfill (with a daily average of 30 trucks), 7 500 000 kg of steel and 55 000 m<sup>3</sup> of concrete for the construction of foundations and other minor works, such as Box Culverts, pavements, etc... More than 450 people were involved, daily, to make this project happen. CJR Renewables proudly fulfilled the goals and timeline.

## PROJECT CHARACTERISTICS

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 WIND TURBINES  
77 VESTAS 3.45 / 3.6

