



# COLEAMBALLY SOLAR FARM

The Coleambally Solar Farm is a 187 MW DC project located near Coleambally NSW.

## PROJECT OVERVIEW


Tranex Solar Pty Ltd were awarded this project by Bouygues Construction Australia, following our exemplary performance on the Hamilton Solar Farm project. Tranex Solar Pty Ltd completed both projects safely and on – or ahead of schedule.

The Coleambally Solar Farm (developed by Neoen) consists of 3,465 Array Technologies DuraTrack® single-axis trackers and 307,098 PV modules. The project is supported by both ARENA and the New South Wales Government.

The Coleambally Solar Farm will generate approximately 380,000 megawatt hours (MWh) of clean, renewable electricity into the national power grid each year, thereby making a major contribution to Australia’s greenhouse gas reductions. This reduction will be equivalent to taking 90,000 cars off the road or planting 530,000 trees, producing enough electricity to power approximately 52,000 homes with renewable energy.

Tranex Solar Pty Ltd remains the most trusted solar contractor in Australia, known for completing every project we have started.

## PROJECT STATISTICS

 **LOCATION**  
Approx 10km North East of Coleambally, NSW

 **SIZE**  
187.00MW DC

 **TRACKING SYSTEM**  
**ARRAY**  
TECHNOLOGIES

 **MODULES**  
**JinkO** Solar

 **NUMBER OF PILES**  
44,928 Piles

 **NUMBER OF TRACKERS**  
3,456 Trackers

 **NUMBER OF MODULES**  
311,040



## PROJECT CHALLENGES

This Large-Scale Project build was scheduled for a very aggressive and compressed timeframe. This timeframe required having between 125-150 employees on site at any point in time, with multiple scopes under construction.

As all facets across the project were under extreme time pressure, there were complex interfaces between trades that would require careful management.



## OUR SOLUTIONS

TranEx Solar Pty Ltd entered very significant planning sessions with the EPC (Bouygues Construction Australia) approx 2 months before the construction phase of the project started. From these planning sessions, it was quickly identified that the Piling Scope was where the greatest risks to the overall program lay.

From our planning sessions, our Construction Team secured additional Piling Resources, therefore mitigating risk and ensuring that this scope ran consistently ahead of schedule

Tranex Solar Pty Ltd then defined and implemented strict SOP (Standard Operating Procedures) for installation of the Tracker and Module scopes in particular. This allowed measurement of productivity / site personnel from the SOP's on a daily basis, to ensure that the project construction program was maintained. Also allowed labour resources to be allocated correctly and where they could be used the most effectively.

Interfaces with other trades was also considered a major construction risk, but these were professionally managed on between site teams by daily co-ordination meetings, regular communication and realistic objectives set by all parties.



## OUR PARTNERS

# NEOEN

DEVELOPER: Neoen



EPC: Bouygues Construction Australia