# News Letter

## Gullen Range Wind and Solar Farm Field Trip


### IEEE PES UOW Student Branch Chapter organized a field visit to Gullen Range Wind and Solar Farm on 30 April, 2019.

The Gullen Range Wind & Solar Farm is an operational farm in the Southern Tablelands of NSW, Australia. It is owned by New Gullen Range Wind Farm Pty Ltd (NGRWF), whose shareholder is BJCE (Beijing Jingneng Clean Energy Co., Ltd.). BJCE Australia is a founding signatory of the Clean Energy Council's Best Practice Charter for Renewable Energy Developments. The charter is a voluntary set of commitments to reflect their promise to develop and operate projects in a socially responsible way.

This Farm is the first large-scale co-located wind and solar farm in Australia with a capacity of 165.5 MW from 73 Wind Turbines and 10 MW from 42,000 solar panels.

The wind farm consists of 73 turbines and produces 165.5MW of renewable power in ideal wind conditions. On an average day it produces enough energy to power in excess of 70,000 average homes.

The solar farm produces approximately 22,000 megawatt-hours of clean renewable energy each year, which is enough energy to supply approximately 3,100 NSW homes.

Photograph: Students watching a 2.5 MW Wind Turbine

**By 2020, Gullen Range Wind Farm will have saved 2.7 million tonnes of**

**greenhouse gas emissions compared to conventional power generation.**

Professor Danny Sutanto led the Gullen Range Wind & Solar Farm field visit with 20 postgraduate students of University of Wollongong.

# Trip Outcomes:

The Gullen Range Wind & Solar Co-located Farm Field Trip was a real success. The exposure to all the participants was amazing. The presentation and question answer session were really informative. All of the feedbacks were positive and appreciating.

## News Update in Gullen Range Wind & Solar Farm Website:

The Gullen Range Wind & Solar Farm published the news of the field trip in their website as below:

**News Update 02/05/2019:Students from the University of Wollongong (UOW) enjoy a visit to Gullen Range Wind and Solar Farm**

There is no better way to learn about renewable energy than to take a guided tour at Australia's first co-located wind and solar farm at Gullen Range. Students from the UOW – Institute of Electrical and Electronic Engineering Branch Chapter and the Power and Energy Society were treated to a private tour and a close-up look at our wind turbines and solar panels.
http://gullenrangewindfarm.com/news/#section111

# Funder:

The **CSE & SAF funding authority of UOW** has approved the fund required for this trip.

# Some Photographs of the Field Trip:

Photograph: Mr Leo Pearce (Asset) and Mr Simon Zhao (Site Manager) are describing the monitoring and control centre of the Gullen Range Wind & Solar Farm.


Photograph: Students watching the solar inverter and transformer local substation at the solar farm.

Photograph: Students watching the grid interconnected main substation of the Gullen Range Wind and Solar farm.

Photograph: Professor Danny Sutanto presents souvenirs to Mr Leo Pearce and Mr Simon Zhao.

Photograph: Students are with Professor Danny Sutanto, UOW, in cheerful mode during the farm visit.

Photograph: Organizing Executive Members of IEEE PES UOW Student Branch Chapter, from right to left- Samadhi Kaushalya Korale Liyanage (Organizing Secretary), Lasanthika Harshani Dissawa Dissawe Mudiyaselage (General Secretary), Md Minarul Islam (President), Safdar Rasool (Treasurer), Muhammad Yousaf (Vice President), Al Jomlat Ahmed (Event Coordinator).

# BECOME A PART OF IEEE:

Students & Staffs of UOW are cordially encouraged to be the valuable member of IEEE as well as IEEE PES, and renew their membership with IEEE as well as with IEEE PES, to have the benefits from IEEE and explore the engineering for the Humanity through the IEEE platform.