



# STUDY RENEWABLE ENERGY ENGINEERING

Renewable energy engineering is a rapidly growing discipline. Renewable energy engineers implement clean and sustainable energy solutions.

They harness solar radiation, wind, geothermal, wave, hydro and bioenergy resources to generate electricity by designing, building and operating energy plants such as wind farms, solar farms and hydro power facilities to meet the energy needs for generations to come.

## CAREERS IN RENEWABLE ENERGY ENGINEERING

Monash renewable energy engineers are uniquely placed in a rapidly expanding job market at the forefront of renewable energy implementation in Australia with the ability to transfer skills overseas. You will be equipped to develop and manage the most environmentally sustainable energy solutions for businesses' needs, projects or assets. Renewable energy engineers are employed to:

- assist with the development and implementation of clean energy policy
- identify sustainable systems for power generation
- understand traditional (hydrocarbon and coal) and alternate renewable power sources and their generation
- provide recommendations and solutions regarding the intersection of traditional power industries and conventional energy sources with renewable energy sources (infrastructure focus)
- manage the process of developing, maintaining and optimising alternative energy assets, and maximising energy usage efficiency.



*"I chose Renewable Energy Engineering because I have always been passionate about sustainability and advocating for positive change. Renewable Energy Engineering is a mixture of most of the Engineering disciplines - which I love. We get to study the fundamentals of Civil, Mechanical, Environmental, Electrical and even Earth Sciences.*

*The highlight of my course so far has been learning about how we can effect positive change in our society."*

— Shinian 'Shi Shi' Qian

RENEWABLE ENERGY ENGINEERING STUDENT AND SECRETARY OF THE  
RESOURCES ENGINEERING STUDENT SOCIETY