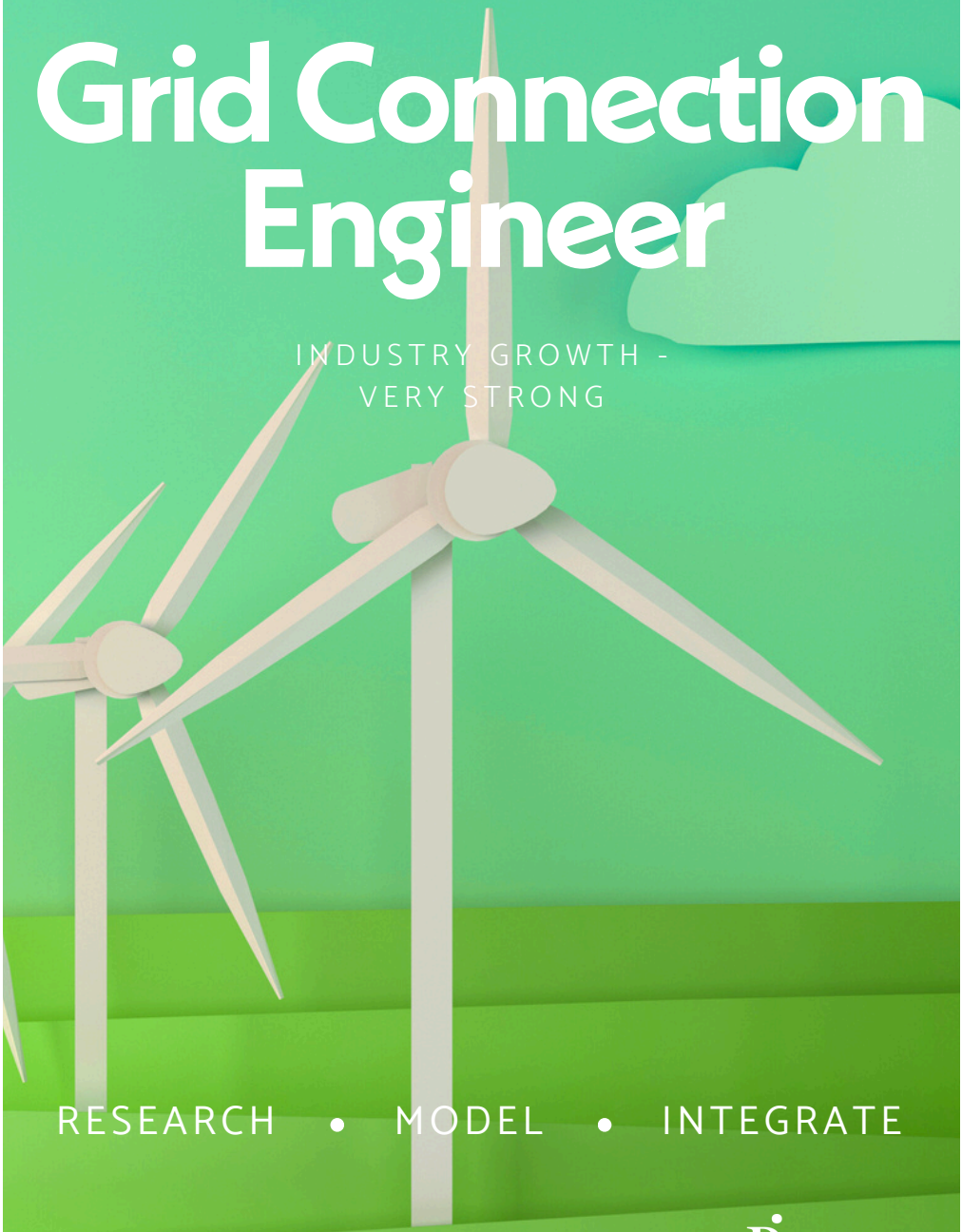
JOB SPOTLIGHT

Grid Connection Engineer

INDUSTRY GROWTH - VERY STRONG



RESEARCH • MODEL • INTEGRATE

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The Australian Power Institute

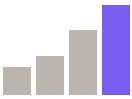
Grid Connection Engineer

Make energy more sustainable

Grid Connection Engineers design and manage the integration of renewable energy systems into the power grid. Using advanced software, they model power flows and predict how new connections might impact the grid's stability. They must also ensure projects comply with strict regulations and codes, often working with utility companies and other stake-holders.

If you're keen on making the world cleaner and greener and love solving complex problems, this could be the job for you.

Growth



Very Strong

Salary

Above Average

Field Size

Small

Hours

Average

Interest Area

Technology

Cluster

Innovator

About you

Excellent problem-solver
Creative thinker
Great communicator
Committed to learning
Good tech skills
Passion for sustainability
Adaptable & flexible
Thorough & organised

Common tasks

- Identify grid capacity & demand
- Conduct feasibility studies
- Gather data from clients & manufacturers
- Integrate renewables into existing systems
- Improve grid stability & efficiency
- Estimate financial & environmental costs
- Calculate future power needs
- Present findings to stakeholders

About the role

Most of your work as a Grid Connection Engineer will be done in an office environment, but you will occasionally need to travel for site inspections.

The role involves lots of face-to-face communication with a variety of people, including clients, stakeholders, government, and other workers.

Most Grid Connection Engineers work full-time, usually during normal business hours.

You can expect to earn an above average salary throughout your career.

Grid Connection Engineers are typically found in these industries:

- Electricity, Gas, Water & Waste
- Professional, Scientific & Technical Services
- Public Administration & Safety

Things you can do now

1. Focus on English, Maths, and Sciences at high school
2. Find work experience or volunteer in a relevant industry
3. Build skills through short courses and hands-on work
4. Research qualifications and requirements
5. Talk to a Grid Connections Engineer to see what their work is like

Future study ideas

You will need a Bachelor's degree in Engineering - typically specialising in Electrical, Mechatronics, Mechanical, or Renewable Energy - to work as a Grid Connections Engineer. Many employers also look favourably on Master's qualifications and other further education.

It's likely you will also need some hands-on experience in other power engineering roles before you can move into grid connections. You might also like to participate in a dedicated internship or graduate program.

What next?

If you're interested in technology or the environment, there are lots of other job areas you might like to consider as well, such as:

- Conservation
- IT
- Electrical Eng.
- Agriculture
- Utilities
- Government
- Robotics
- Forestry

Build skills, gain experience, and show your dedication by getting involved with environmental projects in your community as a volunteer.

Start researching graduate programs and pathways to future job opportunities.

> I chose a career in the power industry because I knew I could have a real impact on enabling the energy transition.

REBECCA ATKINS
GRID CONNECTIONS ENGINEER

Find out more about Power Careers

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