

SHAPE YOUR FUTURE

INNOVATE OUR WORLD

MEET SAM

MECHANICAL ENGINEER

AGE: 28

COMPANY & LOCATION: **Anglo American,**
Grosvenor Mine, Moranbah, Qld

DAILY TASKS: **Underground maintenance,**
project planning, supervising mine workers

“You’ll quickly find that there are many ways into the industry.” – Sam



Where did you study?

University of Southern Queensland (Toowoomba).

What degree or trade qualification did you receive?

Bachelor of Engineering – Mechanical.

What interested you in studying to become a Mechanical Engineer?

I have always been inquisitive with machines, understanding how they work and how they can be improved. I was considering a trade after school, but then after talking to another mechanical engineer, I was attracted to the career pathways it can provide.

What do you enjoy most about working in this industry?

The diversity of the work I do. I cover a few different areas between being a supervisor, project manager and engineer. I often get asked to work on something that I know nothing about, so I enjoy learning how that equipment or project works and then implementing a solution for that problem. It is very mentally stimulating and dynamic, plus my skills are transferable between other industries.

How has this career of choice given you great work/life balance?

The job is quite flexible,

I get plenty of time to play sport during the week and can jump on a flight to Brisbane on a Friday afternoon and back on Monday morning for a quick getaway.

When you're not at work, what are your interests and hobbies?

Camping, water skiing and golf.

How do you feel your role in minerals and energy is shaping our future?

Engineers are the middlemen between the scientists and the tradesmen. With the shift towards automation, my role is to implement new technologies and changes that will see

our industry produce resources more safely and efficiently.

What is a piece of advice you'd give to a school leaver looking to study for a career in minerals and energy?

Talk to as many professionals as you can who have different roles in the industry. You'll quickly find that there are many ways into the industry and some roles will interest you more or less than others.