



POSITION FOR MECHATRONICS ENGINEER AT IGNIS FIRE TESTING

About Ignis Fire Testing

We are an innovative fire testing laboratory based in Saxenburg Park 1 near Zevenwacht Mall. The laboratory designs and builds its own equipment, including the development of SCADA software and analysis tools.

About The Job Position

Ignis Fire Testing is seeking a graduate mechatronics engineer to fill a position as a technical, hands-on design and installation engineer.

Task description:

- Designing electronic circuits for test equipment
- Acquiring components for circuits
- Configuring and building circuits for equipment
- Understanding of instrumentation
- Knowledge of Python, MATLAB and/or equivalent, AI assistants, Ladder language, excel, Inventor or equivalent CAD/CAM software
- Understanding CNC principles
- PC board design
- Knowledge of calibration techniques and calibrating equipment and sensors
- Fault-finding
- Equipment interface and setup
- Data handling
- Assisting with mechanical designs and manufacturing
- PID control and understanding control philosophy in general
- Future projects can include compressor control, security systems, camera applications, Wi-Fi communication, and audio-visual support systems

- Ability to work independently and fit into a small multi-disciplinary team

The applicant is not expected to be fully acquainted with the above but must be able to learn and study to acquire or enhance the skills with time.

For more information on Ignis Testing visit our website: <https://www.ignisfiretesting.co.za/>

An introductory video on our lab: <https://youtu.be/LHF8L4tp2Sk?si=FjvRd7SPe-9ntIC4>

Interested candidates can send their CVs to dirk@ignistesting.co.za.

