



We believe it's our people that makes us great

Signal Processing Engineer

The Company

At Minelab we change people's fortunes and make the world's BEST metal detectors.

Since its origins in 1985, Minelab Electronics, an Adelaide based Australian Company, has been, and still is, the global market leader in the design of metal detecting technologies for consumer (gold and treasure), humanitarian demining and military needs. Through a strong commitment to research and development and innovative design, Minelab is a major manufacturer of hand held metal detector products, exporting to over 150 countries. As part of the Codan group, we have earned a worldwide reputation for innovation, exceptional product design, quality and reliability.

The Role

We are looking for an **experienced Signal Processing Engineer** who will design and validate sophisticated algorithms for Minelab's metal detector products. This is an exciting opportunity for a creative and lateral problem solver with keen analytical skills to join the team based at Mawson Lakes.

You will have skills and experience across the following:

- Degree or higher in electronic engineering, physics or similar
- PhD in electronic engineering, physics or similar is highly desirable
- Ability to design, implement and test algorithms for a real-time environment
- Familiarity with numerical software packages (e.g. Python, Matlab, Octave)
- Experience in one or more of the following areas: digital filters (FIR, IIR, Kalman, adaptive), target detection and classification
- Ability to devise and carry out relevant experiments and analyse resulting data

You must have the ability to prioritise competing demands, be self-reliant, yet able to work well in a team.

Please address applications, including a cover letter and CV, to Melissa Svilicic, Human Resources Business Partner at careers@minelab.com.au. Salary package will be commensurate to the successful candidate's experience.