

# CANDIDATES FOR ELECTROCHEMICAL TESTING OF BATTERY MATERIALS

## JOB ROLE:

1. Testing of battery materials in Coin / Pouch cell configurations
2. Benchmarking of properties / performance with expected standards
3. Improvements to existing cell performances
4. Setup / maintenance of battery performance lab

## Essential

- Knowledge of battery materials – cathode, anode, electrolyte
- Hands-on experience with assembly and testing of Li ion cells (coin & pouch type)
- Electrochemical methods – cyclic voltammetry, impedance spectroscopy, charge / discharge cycling
- Chemical analysis, Thermal analysis, spectrophotometry, etc.

## Desirable

- Inorganic synthesis, especially oxides, phosphates, silicates of alkali and transition metals.