

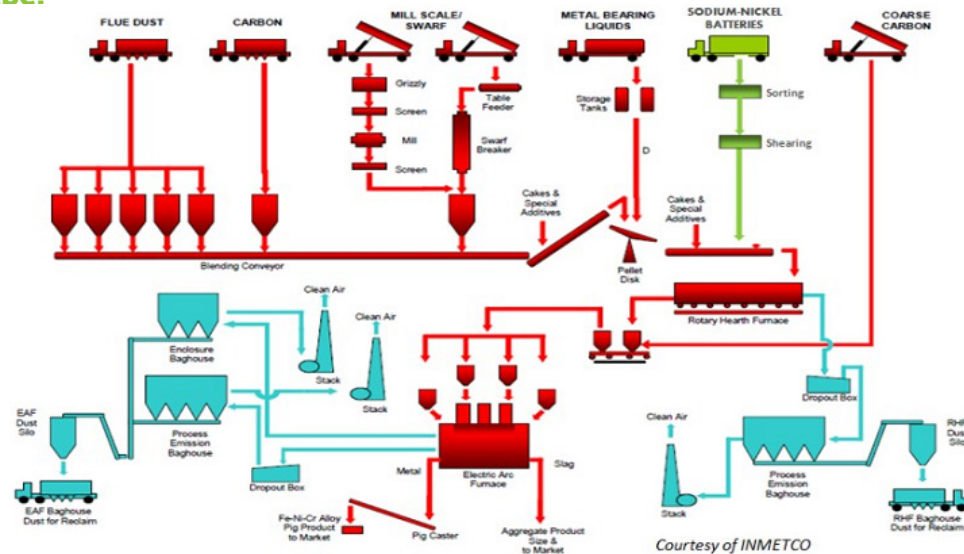
# Battery Disposal & Recycle Policy

**Our expertise in renewable energy positions our business and our community for a low carbon future. In a constantly changing world we are committed to “Do No Harm” to our people, communities, customers and to the environment. This commitment is outlined in the principles of our Battery Disposal & Recycle Policy, and delivering on this will allow us to prosper safely in a changing global landscape.**

## Our Commitment

We are committed to “Do No Harm” by Recycling and Disposing of our Batteries in a way that is free from risk to the health, safety and wellbeing of our people, customers, and our community.

Our “Do No Harm” commitment extends to the entire ASES group.



## Recycling of Sodium Nickel batteries

Recycling of energy storage batteries is a current weakness in the industry for many battery technologies.

Our SoNick or Zebra battery is 100% recyclable with a recycle program already in place in Europe and the USA, which can easily be duplicated in Adelaide at the appropriate time.

The battery materials are recycled to produce stainless steel where the nickel and iron go into alloys, while the salt and ceramic are used for road beds.

Inmetco has successfully recycled more than 20 tonnes of SoNick or Zebra cells.

## Recycling Steps

- Firstly the management electronics (BMS) are removed
- Then the battery is processed by adding them to a standard submerged arc smelting furnace to produce nickel containing remelt alloy used in the stainless steel industry.
- The ceramic and salt contained in the cells is collected and the slag is compatible with this process
- This is then sold as a replacement for limestone used in road construction – nothing goes to landfill.

Also there is sufficient value in the recycling process to cover any transport costs back to a recycler which makes the recycling process at worst cost neutral which means no additional recycling cost should need to be added to the consumer.



**Michael OLeary**  
Chief Executive Officer

Review and authorisation  
This document will be reviewed every three years. Approved October, 2018