

Recycling of batteries  
and materials  
containing mercury  
From waste to raw material

# Lithium battery recycling

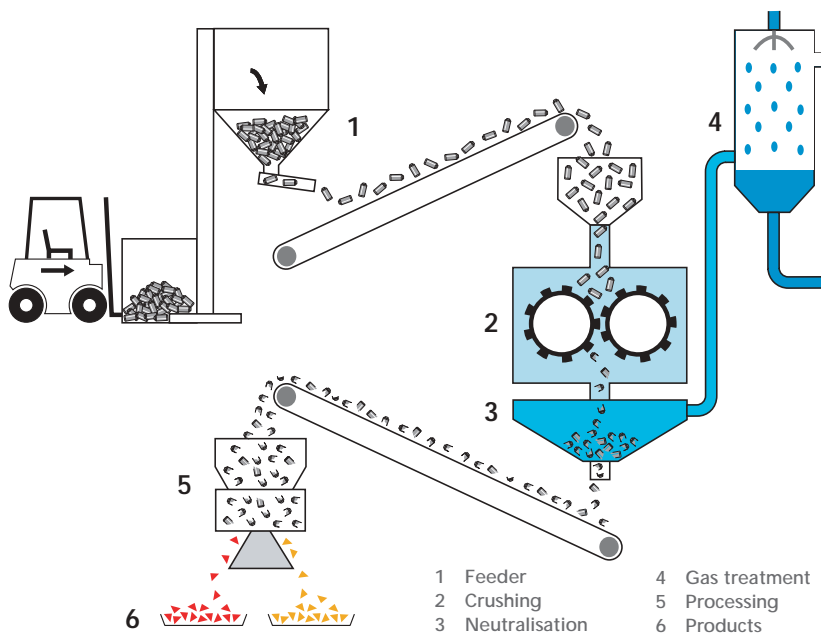


Lithium batteries

## The batteries

Modern, mobile high-performance electronic devices require a higher voltage than can be supplied by standard domestic alkali batteries. The lithium battery is the perfect source of energy thanks to its high power density, low weight and volume.

Lithium batteries consist of raw materials such as chrome-nickel steel, cobalt, lithium, copper, aluminium etc. and contain electrolytes that pose a risk to the environment.



## The recycling plant

The lithium batteries are presorted and supplied to the crushing unit in batches. The batteries are crushed in a controlled atmosphere. The released lithium is neutralised, enabling the battery processing to continue without atmospheric pollution.

The individual components such as chrome-nickel steel, cobalt, non-ferrous metals, manganese oxide and plastic are separated in a multistage separating plant and returned to the natural raw material circulation.

The process is patented by Batrec.



The components separated for the natural raw material circulation