

# BATTERY RECYCLING FOR A CLEAN ENVIRONMENT.

## BATTERY TRANSPORT AND COLLECTION NETWORK

Our network, via which new batteries are supplied, is also utilised for the reliable collection of spent batteries and their delivery to recycling plants. Subsequently, prior to the recycling process commencing, the spent batteries are disassembled and their components are separated out.



### PLASTIC

Battery boxes and lids are produced using plastic granulate recycled from spent batteries.



### Box and lid granulation



### Plastic granulate

### New boxes and lids

New battery boxes and lids are largely manufactured from recycled material.



### New battery boxes and lids



### LEAD:

Using a melt reduction process, materials containing lead are cast into bars, which are then used to produce new alloys for batteries.



### Melt mesh & lead bars

### New mesh and lead oxide

New battery mesh is produced using recycled lead. Recovered lead oxide is also employed in new battery production.



### New mesh & lead oxide



### ELECTROLYTE:

The reprocessing of used electrolyte (diluted sulphuric acid) results in sodium sulphate, which is then employed as a solid in textile, glass, cleaning agent and fertiliser production.



### Neutralised electrolyte



### Sodium sulphate

New Banner batteries are recyclable and consist of reprocessed materials.

Textiles, glass, cleaning agents and fertilisers

