

# What happens to your mobile phone with EWS



## Step 1

Customer donates Handset by placing in recycling container or handing it in at a drop off point or hand in scheme



## Step 2

Goods are collected and sealed using special EWS security tags which are fully traceable and trackable.



## Step 3

Goods are safely, Securely transported Using insured and Accredited companies To our UK recycling HQ in the UK.



## Step 4

Phones sorted and segregated to produce initial collection report. Handsets are segregated for either re-use or recycling.



## Step 5

### Recycling

Handsets which are deemed not suitable for re-use are then separated for recycling. There are several aspects to recycling a mobile phone.

### Reuse

Handsets which are deemed suitable for re-use and re-sale into developing markets are then subject to several processes before the units can be re-marketed

## Plastic Recycling

Cosmetic Parts / Plastic Parts are granulated using specialist granulating machinery. The plastic pellets produced are then used to produce items such as traffic cones, plastic recycling bins ect. The plastic pellets produced are also used in the Aero paint industry as a type of pellet shot.



## Metal Recycling

Precious metals are extracted from the PCB board and valuable chips are removed for re-sale. There are many valuable IC's on the PCB of mobile phones such as Flash memory, and other ics which can be commonly used on Tracking Devices and home alarm systems. There is also traces of precious metals such as gold, platinum, silver and copper which can also be found in the PCB of a mobile phone.



## Refurbishment + Redistribution

Depending upon the end user requirements the handsets may be refurbished with cosmetic parts from Ews's large stock holding of genuine reclaimed parts which are also Part of the recycling process. The units may be repackaged to the customers specific needs and requirements.



## Testing + Repair

Handsets deemed reuseable are tested using specialist machinery to ensure the handset is fully working and functional prior to re-sale. The handset must reach industry set standards before Ews will re-sell the unit.



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## Batteries

Are all subject to very strict testing procedures due to the dangerous potential hazard they can cause. All batteries are tested using a specialist battery testing machine. Should they reach the required reuse standard they will be supplied with handsets when sent to developing markets, should the battery fail to meet standards then they will be sent to a specialist battery recycler in France where materials like Nickel, Cadmium and Lithium are extracted and used in items such as power tools, saucepan's and pharmaceuticals. These extracted products may also be used in the production of new batteries



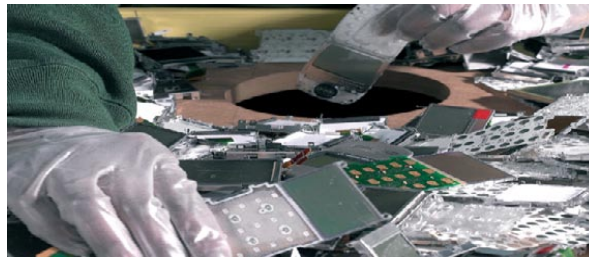
## Reporting

All units are individually scanned and a full report is compiled to detail make, model, IMEI and if the handset is deemed re-useable or for the recycling process.



## LCD Displays

are re-used where possible after being thoroughly tested to ensure they meet industry requirements to repair and refurbish phones for re-sale to developing markets, If the lcd is not functional then the glass will be sent to specialist glass recyclers and the plastic frames will be placed into the plastic recycling process detailed above.



## Revenue

Ews generates significant financial returns for all units received, working and non working.



## Chargers and Accessories

are tested to ensure they are functional and where possible are re-used in the supply of a re-sale unit to the developing market. If the item is not suitable for re-use then the plastics recovered are placed into the plastic recycling process detailed above and any precious metals such as copper and brass commonly found in chargers will be extracted and removed.



## WEEE Compliant Solution

As well as being ISO 14001, AATF and holders of all relevant European waste carriers licence Ews operates a fully auditable and WeEE compliant solution for mobile phone recycling. More details and copies of licences can be found on our home page.

