In the era of clean technology and corporate responsibility, mercury presents a huge challenge to industries worldwide. Batrec has developed a solution to stabilise metallic mercury for safe and sustainable disposal.

The Batrec solution provides a complete service for the stabilisation of the mercury, including transport, supply of certified containers, transfrontier shipment formalities and reporting.

By stabilising mercury and safely disposing the mercury sulphide at a salt mine, BATREC contributes to the progressive removal of mercury from the environment.

**BATREC, a pioneer in stabilisation of liquid mercury**

The Minamata Convention is an international treaty developed with the backing of the United Nations Environment Program to protect human health and the environment from the harmful effects of mercury.

128 countries agreed on:
- the reduction and phase out of mercury use in a number of products and processes.
- implementing control measures on environmental emissions.
Stabilisation process

BATREC has developed a treatment process to stabilise liquid mercury into a non-toxic compound, mercury sulphide (HgS) which is safely disposed of in a salt mine.

Recycling

Under strict conditions a small amount of recovered mercury is recycled to a purity of over 99.9995%.

The high purity mercury can be reused in specific applications authorised by Swiss law under principals set out in the Minamata Convention. For example, the Minamata Convention allows the use of mercury for R&D and analysis purposes (porosimetry, polarography, etc.).

BATREC’s principal is provide a mercury treatment solution that guarantees a closed recycling loop.
Safe and secure mercury management

Effective long-term storage to protect the environment

Following stabilisation, the mercury sulphide is secured into drums and sent for final disposal at a salt mine in Germany.

Following strict acceptance criteria the HgS is deposited at depths of 500 to 800 meters where it is isolated by the natural strata (salt, clay…) and man-made barriers (brick walls).

Full traceability

- Independent sampling and analysis, administrative expertise and mass balance reporting.
- Turnkey service from waste collection until the final disposal of the stabilised residues.

A COMPLETE PACKAGE supporting you throughout the mercury treatment process.

1. You have liquid mercury for disposal.
2. BATREC treats the liquid mercury.
3. BATREC transfers the mercury sulphide into certified packaging.

BATREC can organise the transport from your site to our treatment plant in Switzerland.

BATREC can recover liquid mercury for stabilization or recycling.

BATREC transports the mercury sulphide up to the salt mine for a permanent storage.

Following the stabilisation, BATREC undertakes the sampling and analysis of the mercury sulphide.

BATREC provides you with a complete traceability report for the waste received.

Independent sampling and analysis, administrative expertise and mass balance reporting.

Full transparency for the customer and authorities.

Turnkey service from waste collection until the final disposal of the stabilised residues.
Stabilise your liquid mercury at BATREC whilst respecting the environment and in strict compliance with international regulations.