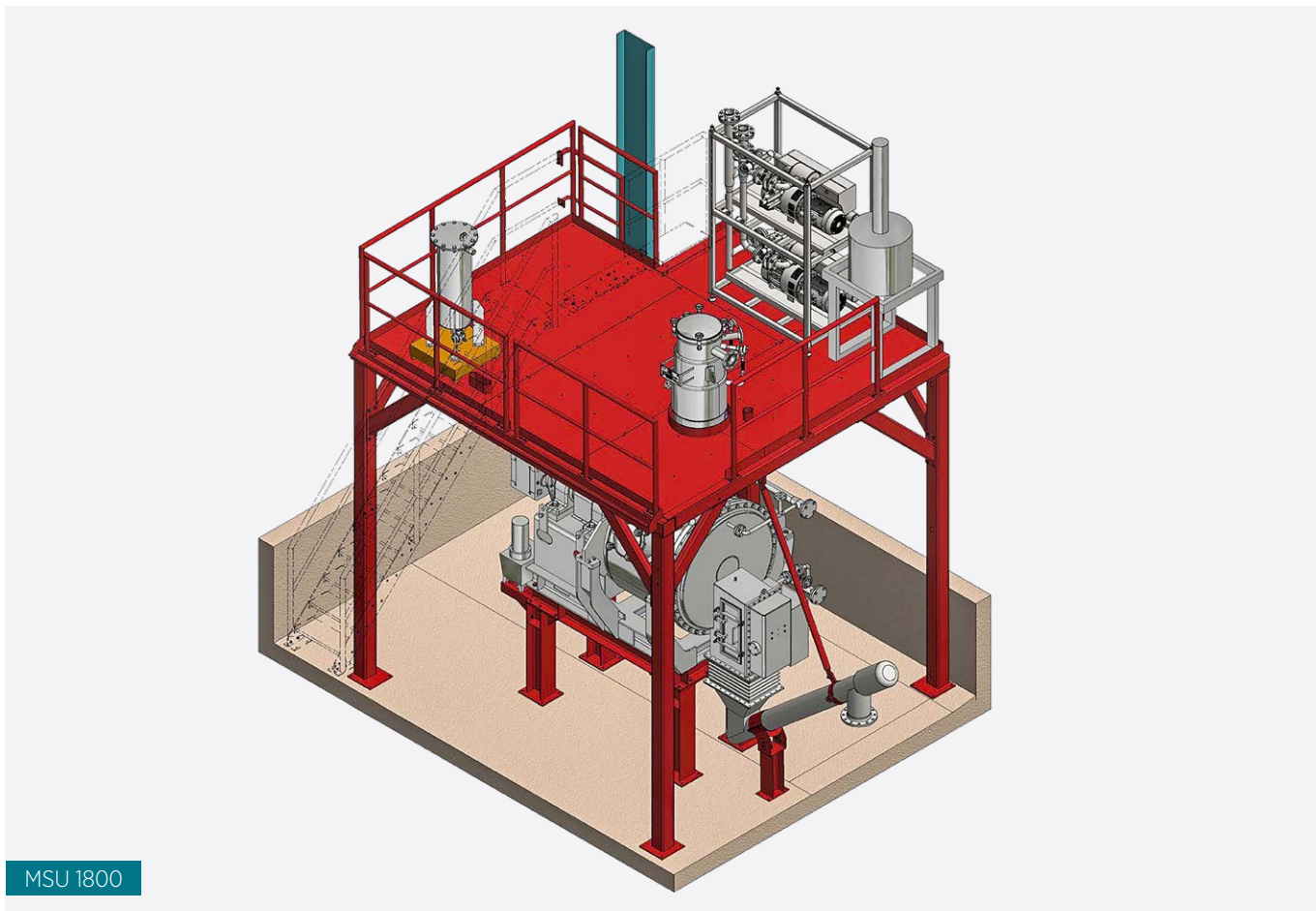


# MSU 1800 – MERCURY STABILIZATION UNIT

Preparing Mercury for safe final disposal

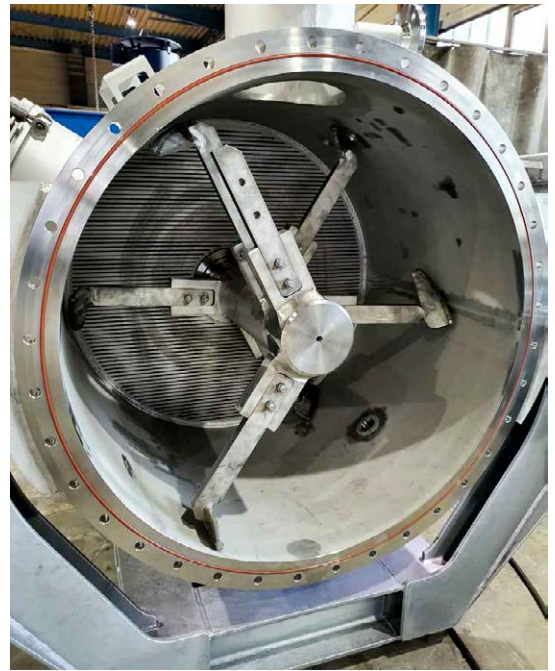


**GENERAL INTRODUCTION**

MRT Mercury Stabilization Unit (MSU) stabilizes and transforms liquid Mercury into HgS (Cinnabar) to make sure that extracted Mercury is not hazariously re-introduced into nature.

MSU 1800 is designed for 24/7 operation and is an automatically fed unit performing a fully automated rotating process under vacuum conditions. It is based on a well tested and safe batch process technology and has a capacity of 3 batches per day with up to 600 kg per batch. The entire process is performed in a closed system and approved according to the highest safety standards.

The MRT Mercury Recovery concept chain makes it possible to avoid toxic mercury from products in our daily life to end up in the general flow of waste. Each part of our concept creates conditions to protect the greater environment and our food sources from Mercury contamination. MRT is thus an important part of the value chain in creating life of quality or quality of life.



**GENERAL SPECIFICATIONS MERCURY STABILIZATION UNIT (MSU 1800)**

**Capacity:**

..... up to 1.800 kg/24 hrs

**Power input:**

..... 22 kW

**Dimensions:**

Length:..... 4.000 mm

Width:..... 5.000 mm

**Operational temperature range:**

..... +10 °C - +35 °C

**Hg emission to the atmosphere:**

Working area:..... max 0,010 mg/m<sup>3</sup>

Exhaust:..... max 0,010 mg/m<sup>3</sup>

The working area has to be ventilated by fresh air not less than three exchanges/h. The Hg concentration is mainly depending on how waste is handled in the working area and how maintenance work on the equipment is executed. The distiller itself generates only negligible amounts of mercury concentration in the working area during operation.

**EEC Conformity:**

The equipment is manufactured in accordance with:  
 EEC Directive on Machinery (2006/42/EG)  
 EEC Directive on Low Voltage (2006/95/EG)  
 EEC Directive on Electromagnetic Compatibility, EMC (2004/108/EG)

