



## **BMT ...makes short work of your mercury problem**

**Mercury contamination is a rapidly growing international problem.**

**The petrochemical industry deals with large quantities of mercury in the extraction of gas and fossil fuels. Chlorine producers who use electrolysis based on mercury cells face a drastic increase in mercury-contaminated waste products and frequently have insufficient capacity for processing the substantial quantities involved.**

**This problem is also faced by producers of mercury batteries and fluorescent tubes and by those who dispose of mercury-containing waste flows.**

**BMT has developed a TOTAL CARE approach especially for all these types of mercury-contaminated materials.**

**BMT has built up an outstanding reputation over the years and renders excellent services to companies including Esso, Shell and Solvay.**

**The Dutch Ministry of Economic Affairs has awarded a substantial subsidy to the company: proof that the government, too, has recognized BMT's pioneering role and expertise.**

Mercury wastes,  
from the left to the right:

- catalyst/ activated carbon
- button cells
- soil
- consumer batteries
- sludge
- rubble
- fluorescent powder



### Appropriate technical solutions

BMT is a specialized firm offering solutions to a multitude of mercury waste problems.

Mobile treatment on site:

- Q.S. Spider (patented vacuum distillation units)
- Soil washing units (patented gravity separation technology)

1. QS-Spider
2. Gravity separation unit
3. Mobile on site
4. Vacuum distillation
5. AVR Location in Rotterdam

1.



3.

Treatment in Rotterdam on location at the AVR:

- Safe storage facilities (meets strictest standards)
- Q.S. Spider (patented vacuum distillation unit).

The solutions BMT offers are safe and environmentally responsible, and amply meet all legal requirements.

With BMT, you have an inventive and innovative troubleshooter who does a thorough job of tackling your contamination problems.



4.



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### Responsible reuse en recycling

Creating a safe and reliable outlet for the demercurized wastes and generated products is all part of BMT's services.

- Demercurized wastes can be reused in the following way:
  - Cleaned scrap; in steelworks
  - Demercurized catalysts and activated carbon; reused in production processes.
  - Cleaned soil; on location or in landfill
  - Treated sludges; in landfill
- Generated products such as mercury, oil and precious metals (in the case of treatment of batteries) can be reused.

Because of the reuse option, the BMT method is cost efficient.



Consultancy



Sampling



Logistics



Permits and transport



Packing and storage



Technical solutions



**Your concern is our care**

Due to an intensive cooperation with the AVR (by far the largest and most advanced waste-incinerating plant in Europe), BMT is capable of offering you full service in handling your mercury waste flows.

The service consists of:

- Consultancy for providing the client with the most feasible solution
- Safe handling and packing of your mercury waste
- Provision of necessary permits for export and import
- Logistics and safe transport
- Responsible treatment according to highest standards
- Recycling of treated material or products

**Total care means:**

- Limits your liabilities
- Reducing costs on your waste handling/treatment
- Safe and secure handling of your waste flows
- Concentrating your management capacity on your core business
- Immediate removal of quantities
- Guaranteed endprocessing
- Using an approach involving differentiated technology
- The convenience of dealing with a single company



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### **Problem solving...**

Begemann Milieutechniek B.V. looks forward to an increasing interest on the parts of governments and the business community, both nationally and internationally. BMT is a specialist offering customized solutions for a multitude of mercury contamination problems. Advantages offered by the company include short lines of communication and a flexibility that guarantees efficient cooperation.

### **...practical...**

BMT's operating procedure is practical. BMT provides a solution geared to your specific situation. This means customized work in the form of full service and with the use of advanced equipment so that your problems are tackled effectively and responsibly.

### **Experts in all areas of Mercury Environmental Engineering**

B M T  
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offers  
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affordable solu-  
tions to virtually  
all types of  
mercury

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The appropriate solution is designed in cooperation with you.



BEGEMANN MILIEUTECHNIEK B.V.

the best deal for your mercury waste

