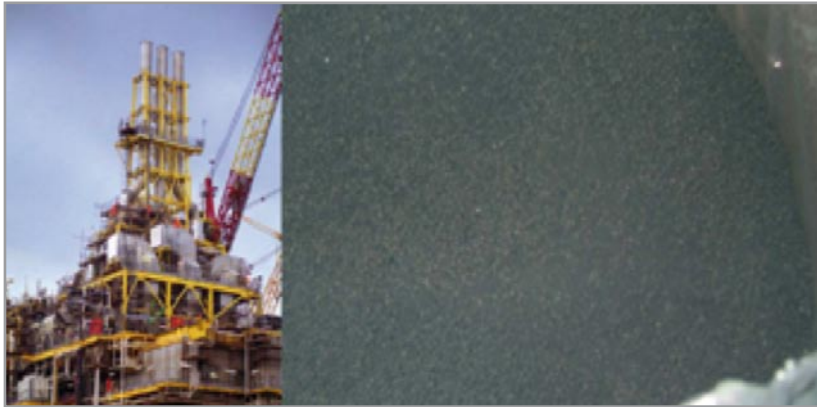


# Recycling of batteries and materials containing mercury From waste to raw material

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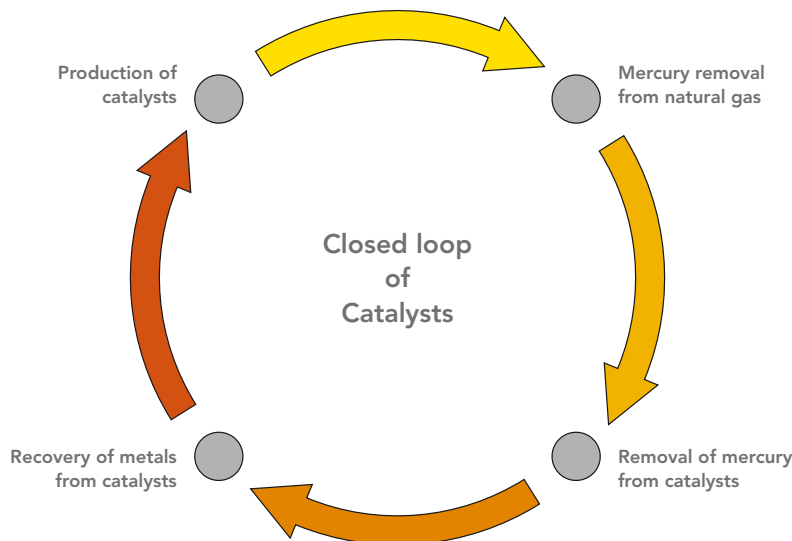
## Spent Catalysts

### Production of natural gas

Catalysts are made of metal based ceramic for the removal of sulphur and mercury from the natural gas. This purification takes place before the splitting of the natural gas in the different qualities or the production of LNG can be done. Natural gas is a natural source of sulphur and mercury. Both elements are dissolved as small traces in the natural gas. The worldwide production of natural gas is equal to the production of oil. Natural gas becomes more important because of the big need of energy. Natural gas is used in households for heating or cooking.

### Treatment

The Spent Catalysts are heat treated in order to distill the mercury from the Catalysts and separate it from the sulphur. This distillation process is done before the pretreated, demercurized Catalysts can be send for recovery of the raw materials in dedicated metal recycling plants. The mercury recovery allows us to close the recycling circle.



Pure Mercury 99,995–99,9995%

Recycled catalysts ready for mercury recovery