

# Hot gas cleaning

Technology  
for a  
Sustainable Future

Metal furnaces, refining and annealing, high temperature chlorination and thermal oxidation flue gas treatment.

## ERG systems offer

- The most appropriate temperature reduction, dust removal and soluble gas scrubbing
- Optimised capital cost
- Performance guarantees
- A range of technical approaches tailored to suit each application and client's requirements
- Robust materials of construction
- Energy efficient designs optimised to minimise liquid waste stream volumes

## Available treatment technologies include:

- High temperature air attemperation
- High temperature wet quench
- High energy and low energy venturi scrubbers for particulate removal
- Caustic scrubbers (packed towers and V-tex® scrubbers)
- WESPs for sub-micron dust and aerosol capture
- Ceramic filters for high temperature particulate removal
- Bag filters for low temperature particulate removal
- Effluent treatment: solids separation by settlers and filter presses, effluent concentration by evaporators

## Advantages of using ERG's flue gas treatment solutions for your process are:

- All systems are designed by ERG's in-house team of process, mechanical and electrical engineers
- Main wet cleaning stages are bespoke design and fabrication by ERG
- Trusted supply chain of partner companies for fans, pumps, instruments and for specialist ceramic and bag filters
- All ERG systems carry a performance guarantee and mechanical/ electrical warranty



Flue gas treatment for manufacture of alumina based fibre, UK



Flue gas treatment for precious metal recovery smelter, Japan

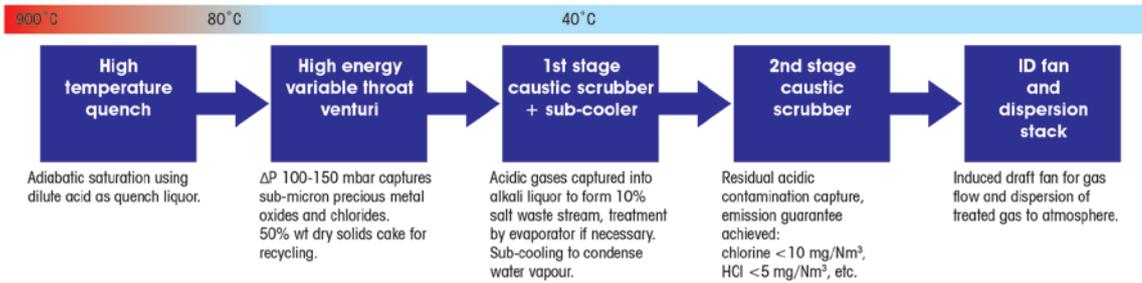


Zinc smelter reverberatory furnace flue gas treatment, Malaysia

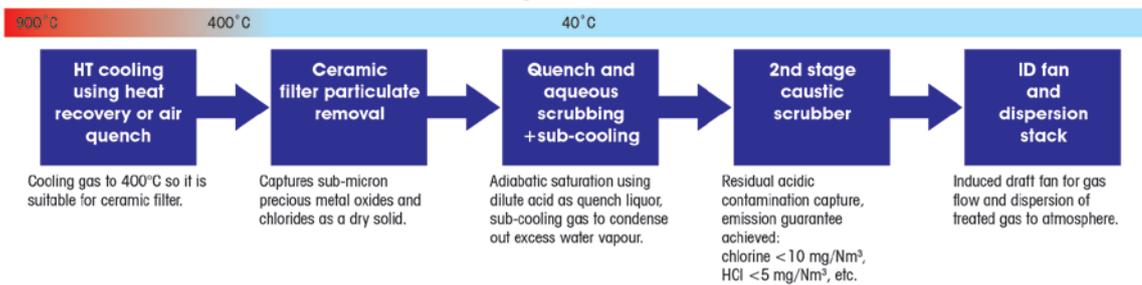
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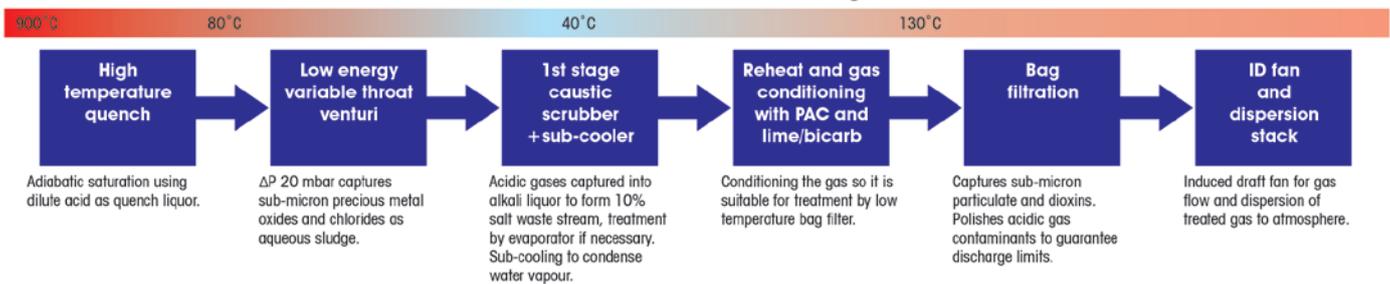
## WET - WET GAS TREATMENT for furnace flue gases and high temperature chlorination



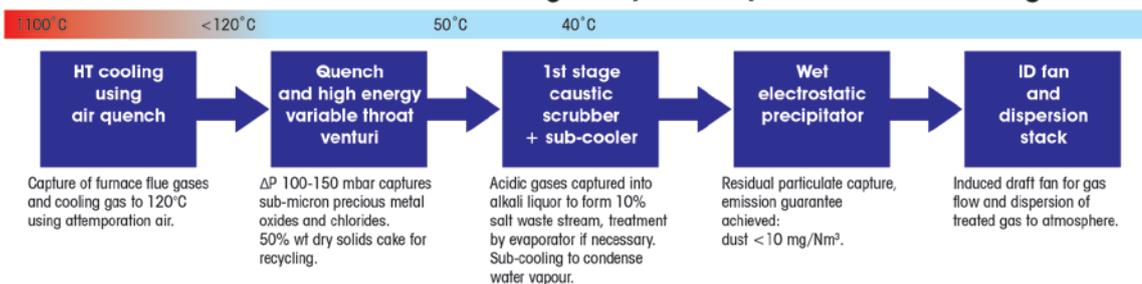
## DRY-WET GAS TREATMENT for furnace flue gases



## WET-DRY GAS TREATMENT for hazardous waste thermal oxidiser flue gases



## AIR QUENCH-WET-WET GAS TREATMENT for high temperature precious metal refining furnace flue gases



## AIR QUENCH-DRY-WET GAS TREATMENT for high temperature precious metal refining furnace flue gases

