

ENIM

ENIM MARTIN

WASTE TO ENERGY PLANTS




TURNKEY SOLUTIONS



INNOVATIVE & COMPETITIVE SOLUTIONS FOR ENVIRONMENT & CLEAN ENERGIES

CNIM MARTIN draws its expertise from European Technology leaders - CNIM SA, MARTIN GmbH and LAB SA - for Waste to Energy Turnkey solutions.

CNIM MARTIN Private Limited is your partner for the state of the art technologies, solutions and services for:

- ▲ Waste Combustion 
- ▲ Waste to Energy Boiler 
- ▲ Flue Gas Cleaning 
- ▲ Turnkey Waste to Energy Plant
- ▲ Turnkey Biomass & Renewable Energy Plants

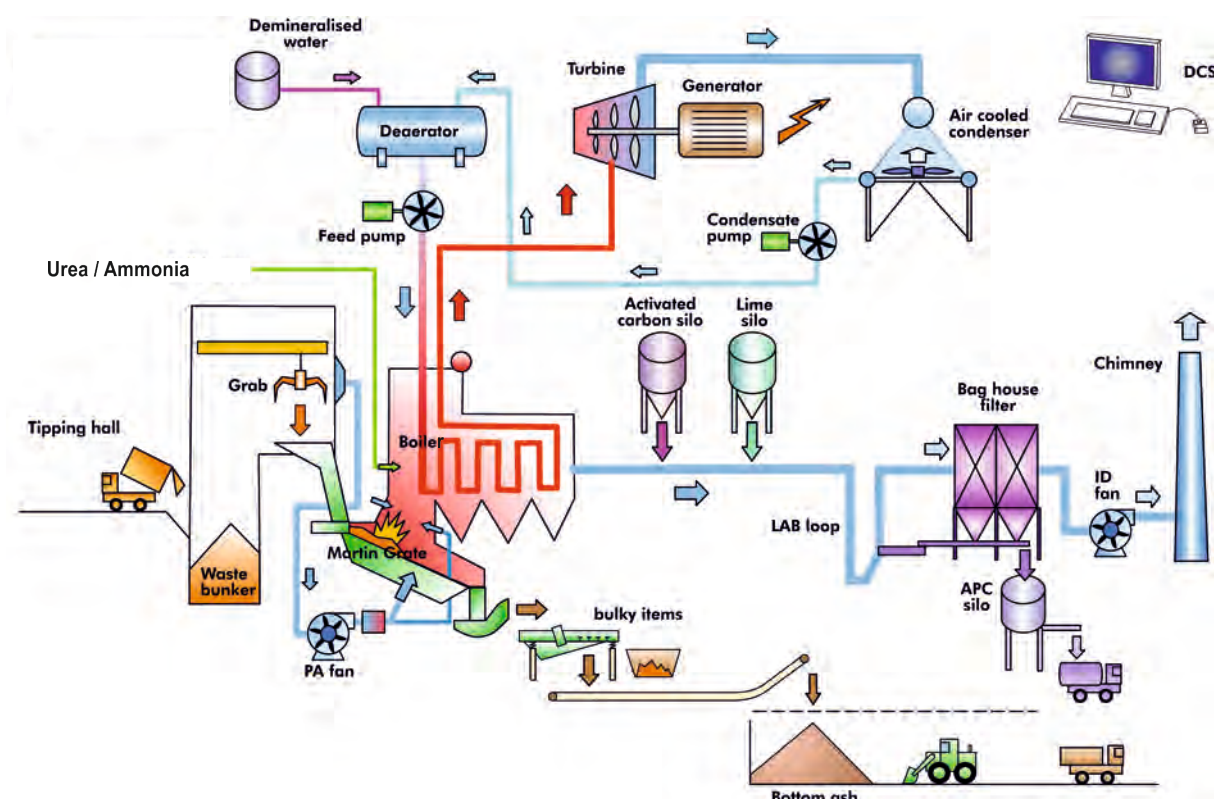
— YOUR PARTNER FOR WTE PLANTS —

 **MARTIN®**

CNIM MARTIN brings to Asia, the unique know-How of CNIM & MARTIN groups for WTE plants

- ▲ As a full EPC, Technology Partner or main Subcontractor
- ▲ We Manage the project close to our customers with a high level of efficiency
- ▲ We apply best international HSE, Project Management and Engineering Standards
- ▲ Our Supply chain and quality control are fully integrated.

WASTE TO ENERGY PLANT TYPICAL OVERVIEW



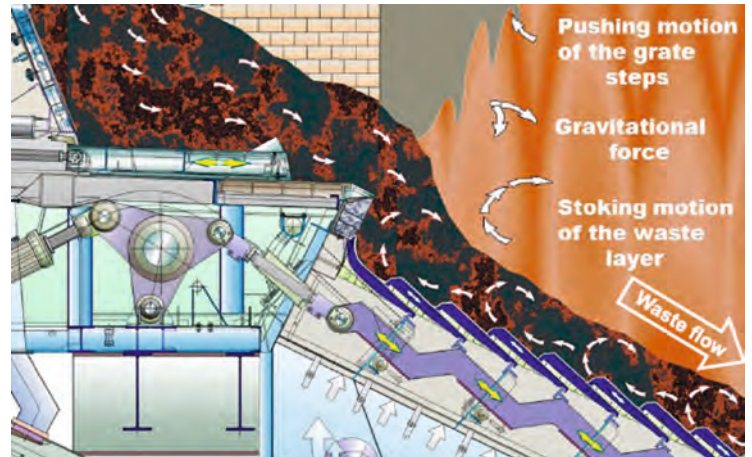
Bringing to the region, optimised and localised solutions for WTE plants

- ▲ Standardised plant 150 / 300 / 450 / 600 / 750 / 900 TPD; but also customised solutions
- ▲ Providing the highest level of guarantee in Quality, Delivery and Performances
- ▲ Integrating the proprietary technologies industrialized in India
 - ▲ Combustion System – **MARTIN EnviroPower™**
 - ▲ Boiler Technology from **CNIM SA**
 - ▲ Flue Gas Treatment - **SecoLAB™**
 - ▲ Control System from **CNIM SA**

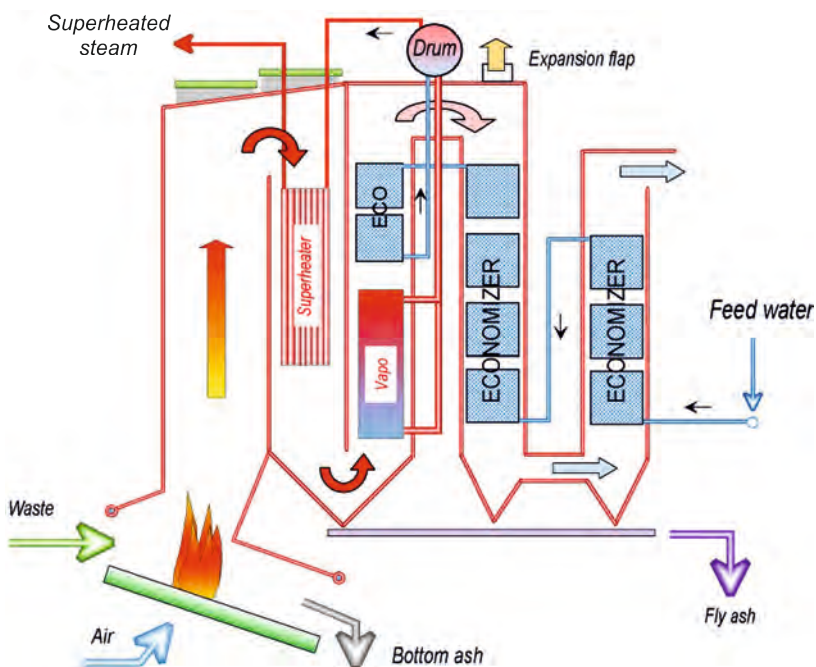


EnviroPower™ REVERSE ACTING GRATE

- ▲ Specially designed in Germany by MARTIN for ASIA in collaboration with CNIM MARTIN
- ▲ Patented Design and Cost competitive
- ▲ Reverse Acting Grate- Effective agitation of waste to ensure complete combustion
- ▲ Efficient combustion of Waste having high moisture and Calorific values from 1000 kcal/kg
- ▲ High uptime and low maintenance cost
- ▲ Modular construction
- ▲ High flexibility
- ▲ Fit for Purpose ASIAN conditions



BOILER TECHNOLOGY

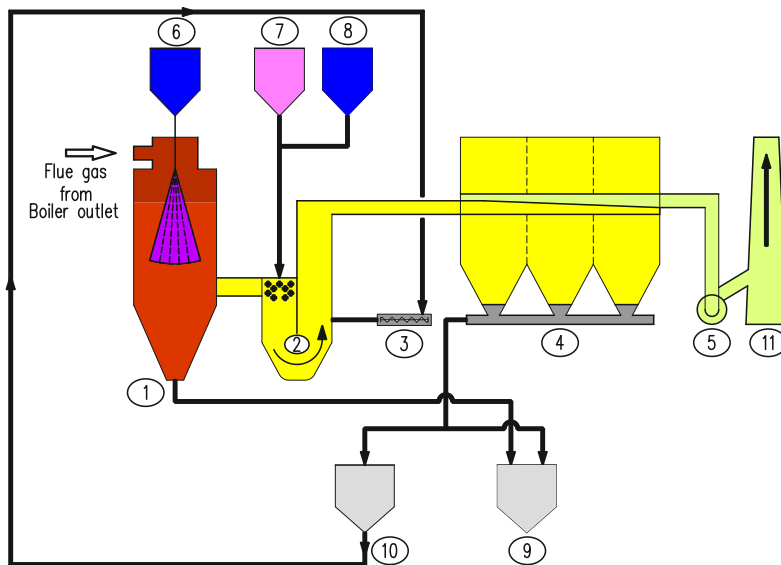


- ▲ Vertical or Horizontal Boiler, fully designed by CNIM and Industrialized in Asia by CNIM MARTIN
- ▲ Optimum Boiler operating pressure & temperature to achieve higher cycle efficiency
- ▲ Reliable cleaning systems for corrosion protection and effective heat exchange
- ▲ Flue-gas to Air pre-heater to achieve higher boiler efficiency
- ▲ Conservative furnace design to ensure complete combustion of waste



FLUE GAS TREATMENT

- ▲ **SecoLAB™** system designed by **LAB SA** to meet all relevant local emission standards
- ▲ Uniform reagent and gas distribution to achieve efficient performance



- ▲ Modular construction and small footprints
- ▲ High reliability and availability
- ▲ Low operating costs
- ▲ High efficiency for pollutants peaks

CNIM MARTIN Private Limited is established in India since 2017 and it is jointly owned by the two **European Waste-to-Energy leaders CNIM & MARTIN**. Our vision is to bring down the solid waste and emission levels to minimize the environmental impact in India and Asia.

Amazing facts :

- ▲ 1st WTE plant built by CNIM in 1965
- ▲ CNIM is the No.1 EPC contractor for WtE plants in Europe
- ▲ CNIM S.A & MARTIN GmbH have strong association for more than 50 years
- ▲ CNIM S.A & MARTIN GmbH have collective experience of ~800 WTE lines across the globe.

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