

# WASTE TO ENERGY BOILERS



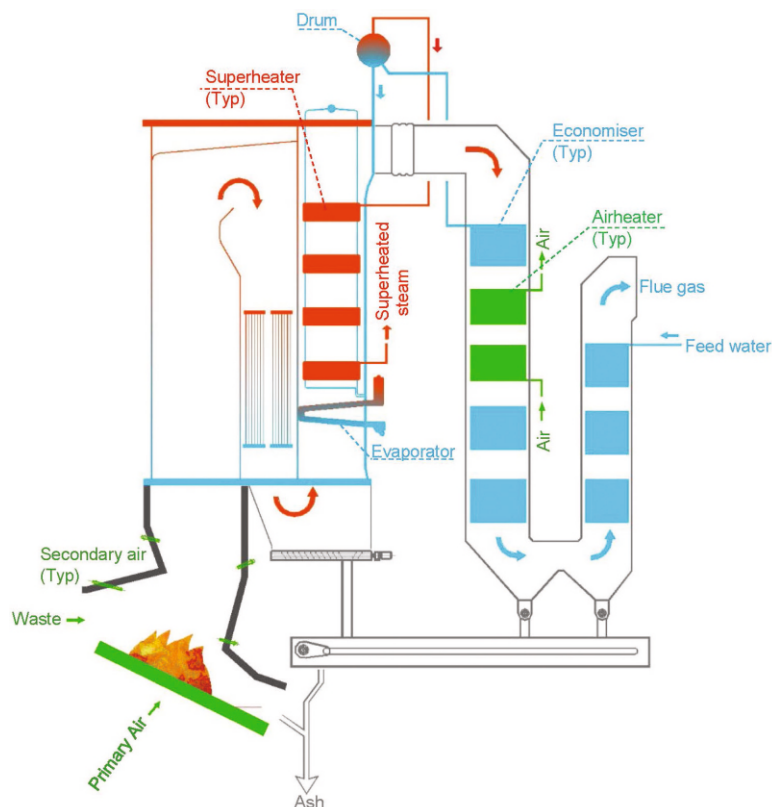
## PROVEN SOLUTION FOR WtE BOILER

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CNIM MARTIN Private Limited, established in India since 2017, is jointly owned by the two European Waste-to-Energy leaders PAPREC and MARTIN GmbH.

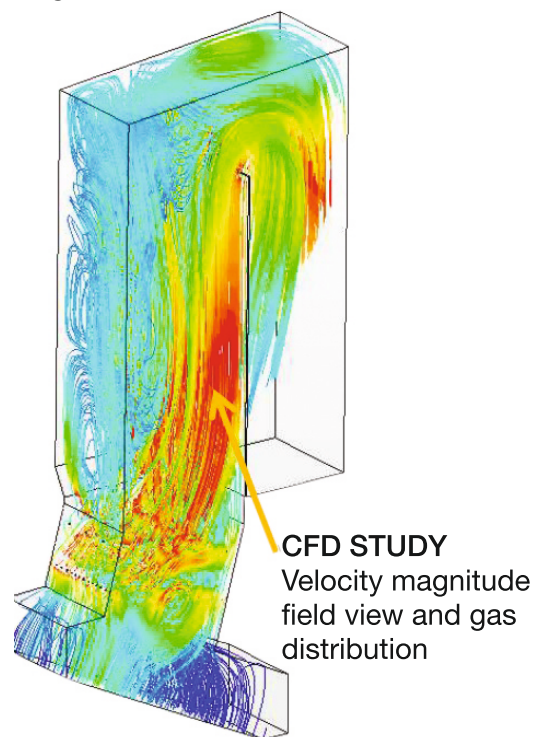
CNIM MARTIN Private Limited, offers **Waste-to-Energy boilers** industrialised in Asia based on the proprietary and proven design of PAPREC ENGINEERING CNIM.



## TYPICAL VERTICAL ARRANGEMENT WASTE TO ENERGY BOILER

## KEY FEATURES

- ▲ Boiler designed as per ASME / IBR / EN / Equivalent international standards
- ▲ Standard Boiler parameters to achieve optimum plant efficiency and longer availability
- ▲ Steam pressure of 40 - 75 bar and Steam temperature of 400 - 430°C based on project requirement
- ▲ 2 secs @ 850°C flue gas residence time in furnace to minimise Dioxin & Furan generation
- ▲ SiC refractory for complete Furnace 1st pass to avoid tube corrosion
- ▲ Superheaters at 3<sup>rd</sup> pass with low flue gas temperature to protect tubes from corrosion
- ▲ Economiser water side bypass / Drum coil heater to avoid cold corrosion
- ▲ Superior metallurgy and higher thickness for pressure parts to ensure longer availability
- ▲ Wider tube spacing & Lower flue gas velocity to minimise erosion
- ▲ Boiler ash collected at front ash discharger to avoid Dioxin regeneration
- ▲ Integrated with Reverse Acting Grate (EnviroPower™) specially designed for Asian conditions
- ▲ SNCR, if required
- ▲ Boiler designed for fouled condition
- ▲ Reliable control logics for safe operation
- ▲ Compact design, less foot print
- ▲ Compliant to stringent EU safety norms
- ▲ Manufactured in Asia
- ▲ Low Opex
- ▲ Local & Regional support and services



**Customised Solutions as per customer requirements such as Horizontal boiler, specific metallurgy etc., are also available from the expertise of PAPREC ENGINEERING CNIM with more than 280 boilers installed.**

Address:

**CNIM MARTIN Private Limited,**

SKCL Central Square -1, Ground Floor, North Wing,

Tiru-vi-ka Industrial Estate, Guindy, Chennai - 600 032. Tamil Nadu, India.

Phone : +91(44)66170 800, Contact : [info@cnimmartin.in](mailto:info@cnimmartin.in)

Visit our website : [www.cnimmartin.in](http://www.cnimmartin.in)