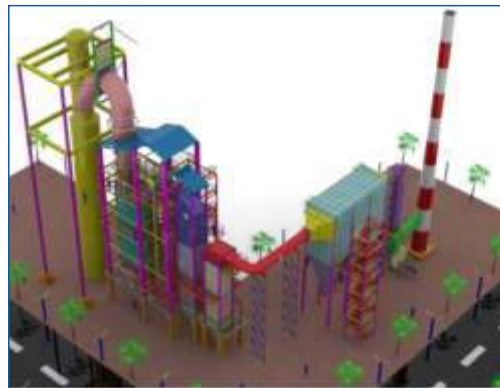


OUR BOILERS ARE DESIGNED TO ACHIEVE OPTIMAL PERFORMANCE GIVEN THE HEAT AVAILABLE AND THE BOILER OUTPUT REQUIRED



FIRE TUBE BOILER FOR WASTE HEAT RECOVERY SYSTEMS FOR CLEAN GASES

HORIZONTAL WATER TUBE BOILER FOR WASTE HEAT RECOVERY SYSTEMS



VERTICAL WATER TUBE BOILER FOR WASTE HEAT RECOVERY SYSTEMS

REGISTERED OFFICE

Tagore Towers, H.No 1-62-191, Plot No 191,
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An ISO 9001:2015 Certified EPC Company,
IBR 1950, ASME, U, S, PP & R and PESO Certified Manufacturer

SALES & MARKETING

Manufacturing Unit

Email: mahathiunit1@mahathiinfra.com
Ph no: +91-9000070851.

Sales for India

Email: sales.india@mahathiinfra.com

Sales for Africa

Email: sales.africa@mahathiinfra.com

Head Office Sales

Email: sales.ho@mahathiinfra.com

South East Asia Sales

Email: sales.sea@mahathiinfra.com

Waste Heat Recovery Boilers

Utilize waste heat to Save Energy & Protect the Environment



Any form of economically recoverable heat from gases is termed as waste heat. The usage of waste heat recovery enhance the efficiency of an industry.

Our aim is to utilize the waste heat in various industrial applications. Our solution shall use the waste heat to reduce electricity & fuel bills.

We add value to your needs....



UNDERSTANDING THE PROCESS :

To provide the best solution, our engineers shall work with you to understand the process involved in your existing plant and develop an **Efficient Waste Heat Recovery System**.

TECHNICAL ANALYSIS	FINANCIAL ANALYSIS
Review and Assess Process Flow	Investment Required
Sources and uses of Waste Heat	Payback Period
Space and Area Constraints	Depreciation
Any other conditions like dew points of equipment etc.	Rate of Return

CONCEPTION OF OUR WASTE HEAT RECOVERY UNITS AND APPLICATIONS

SOURCES OF WASTE HEAT

EXHAUST GASES	PROCESS GASES	COMBUSTIBLE OFF GASES
DG Exhaust Gas Genset EXhaust gases Furnace Exhaust Coke Ovens Steel (Arc Furnace, Rolling Mills) Kiln Exhaust (DRI, Dichromate, Cement, PetCoke, Lime Kilns) Gas Turbine Exhaust	Sulphuric Acid Plants Nitric Acid Plants Methanol Plants Sulphur Recovery Units Caprolactum Plant Fluid Catalytic Cracking Ammonia Plants Sponge Iron Plants Sinter Cooler Plants	Carbon Black Plants (CO Gas) Fluid Catalytic Crakers Ferro Alloy Plants Caustic Soda Plants (H2 Gas)



BENEFITS OF OUR WHRB SYSTEMS:

Our Waste Heat Recovery Systems have several Direct and Indirect Benefits

- Recovery of Waste Heat has a direct effect on the efficiency of the process. This is reflected by reduction in the utility consumption and costs, and process cost
- Reduction of Pollution
- Reduction of Flue Gas Handling Equipment sizes
- Reduction in Auxiliary Energy Consumption
- Reduce Energy Costs

Operating Range

Capacities : Up to 250 tph
Pressure : Up to 110 bar
Temperature : 520 degC

We add value to your needs....



Waste Heat Recovery for Cement Plants



HRSG for Gas Turbines



Waste Heat Recovery for Water tube type for Engine exhaust



Waste Heat Recovery for Fire tube type for Engine exhaust



Waste Heat Recovery for Sponge Iron plant after ABC



Waste Heat Recovery for Sulphuric Acid Plants

We add value to your needs....

