



**MALHARI**  
PROJECTS PVT. LTD.



IPP : THE NEXT GENERATION PYROLYSIS



**WASTE TO WEALTH**  
Sustainable Technologies

# INFRARED PYROLYSIS PLANT

## Benefits to Municipal & Industrial Hazardous Solid Waste Generator

- No Segregation Required
  - Up to 75-99 % volumetric reduction /Weight Reduction
  - Operational; Lower than Landfill cost.
  - Can process waste of up to 75% Moisture.
  - No hazardous waste transport and Landfill required.
  - Power consumption 0.33 KW/Kg\*.
  - Continuous IOT based emission control.
  - Emission As per CPCB Norms
  - Can make Municipalities/Corporation/Industries Net Zero.
  - High Efficiency.
  - Easy Installation.
- NO/ Negligible residue
  - Carbon offset benefit\*
  - Completely Automated decentralizes plant monitored at Command Centre.
  - Waste type: Municipal, Industrial, Semi solid and solid like ETP sludge, STP sludge, MEE Waste, Spray dryer Waste, Spent Carbon, Distilled Residue, Gelatine Waste, Plastic, rubber, FRP, paper, card boards, PVC, Riverside waste, Marine waste, Roadside waste, semi solid jelly type waste Etc...

Features	Low-Cost Pyrolysis Technology				
Capacity (Ton /Day)	0.5	1	2	5	10
Per hour feed (Kg/Hr)	25	50	100	250	500
Size (Mtrs.)	3 x 5	3 x 5	5 x 8	8 x 11	12 x 12
End Product	Negligible Ash with most organic converted to Non-Toxic Air.				
Process	Flameless Combustion in Oxygen Controlled Environment.				
Waste Type	Non/ Biodegradable & Hazardous Solid and Semi-solids				
Moisture %	Up to 75%				
ESG Compliance Feasibility	Partial	Partial	Full	Full	Full

## For Other Bulk Waste Generator Industries

- Textiles
  - CETP Units
  - TSDF Sites
  - Smart Cities
- Paper
  - Tyre
  - Plastics
  - Fibre
- River Side Mixed Waste
  - Garden & Parks Waste
  - Packaging
  - Town Ships
- Land Fill Sites
  - Tourism Waste
  - Pilgrimages Waste
  - Railway Stations
- Airports
  - Ports

## Other Portfolio Products

- Continuous Pyrolysis Plant
  - Moisture removal system
  - Vacuum oven
  - Continuous Emission monitoring system
- Industrial Scrubber system
  - CO2 Offset mechanisms
  - Plant Automation and Retrofit



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*We aim to reduce waste by converting into Non-Toxic Air  
We focus on disposing of all waste sustainably and minimizing environmental Impact*