Core Axis - Akaya

a part of DEHU® Group of Companies

POWERING INDUSTRY WITH ENGINEERED EXCELLENCE



- Multi Product Manufacturing Solutions
- Your One-Stop Solution for Boiler & Power Plant Needs
- Integrated Manufacturing and Machining Facility

www.coreaxisglobal.com

www.akayaengineering.com

ABOUT US

Core **Axis - Akaya**, a part of the **Dehu Group of Companies**, is a leading name in the field of Boilers and Heating Systems, with a strong presence in the industry. We have established a robust manufacturing and sales network across key regions in India and overseas, delivering efficient process and power solutions to diverse industries.

Our management and technical teams comprise highly qualified and experienced professionals dedicated to delivering reliable, efficient, and sustainable solutions. Our mission is to maximize operational efficiency and provide sustainable value through our products and services.

With extensive expertise in the process industry, we develop and customize integrated solutions tailored to specific project requirements, process applications, and diverse industrial needs.









PROCESS

STEAM BOILER

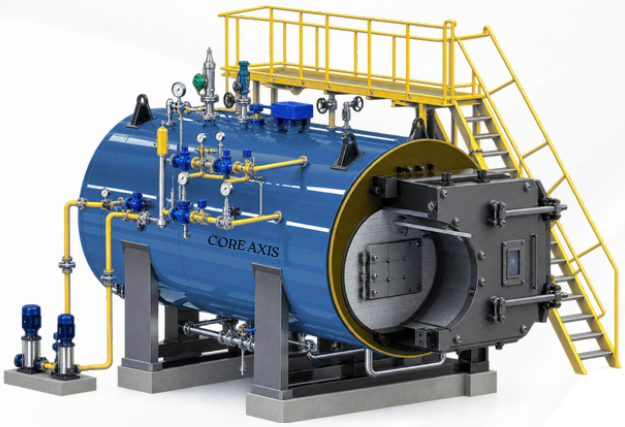




MULTI-FLAME
Capacity - 2 TPH to 15 TPH

COMBI-FLAME
Capacity - 2 TPH to 25 TPH





TURBO-FLAME
Capacity - 1 TPH to 25 TPH



SOLID-FLAME
Capacity - 500 kg/hr to 6 TPH

- Flexible Feeding System
- Multi-Fuel Capability
- User-Friendly Design
- Cost-Effective Operation
- Optimized Energy Performance

AGRO-FLAME
Capacity - 1 TPH to 6 TPH

POWER

STEAM BOILER



- **Capacity:** 10 TPH to 150 TPH
- **Steam Temperature:** Up to 548°C
- **Steam Pressure:** Up to 125 kg/cm²(g)

We Provide **Power Steam Boiler solutions** featuring various firing technologies for different **Fuel Needs** and **Industrial Power Generation**, including:

- AFBC (Atmospheric Fluidized Bed Combustion)
- Travelling Grate Boiler
- Reciprocating Grate Boiler
- Dumping Grate Boiler

Core Axis - Akaya has Successfully Met the Diverse Needs of Various Industries with Its Steam Boiler Solutions:

- Sugar Industry
- Paper
- Steel
- Oil and Gas
- Chemical
- Textile



FUELS


REFUSED DERIVED FUEL (RDF)


COAL


BAGASSE


BRIQUETTES


RICE HUSK / PADDY STRAW


WOOD CHIPS


SOYA HUSK


MUSTARD HUSK

CORE AXIS - AKAYA WASTE TO ENERGY

POWER PLANTS SOLUTIONS

Turning Waste into Energy. Powering a Sustainable Future.

Waste-to-Energy (WTE) converts non-recyclable municipal and industrial waste into useful energy through advanced combustion and steam generation technologies—reducing landfill dependency while recovering valuable energy from waste.

WHY **CORE AXIS - AKAYA** FOR **WASTE-TO-ENERGY**?

- **5–80 TPH RDF Boiler Solutions** for diverse industrial applications.
- Proven expertise in **RDF & Municipal Waste combustion** and boiler systems.
- **22+ RDF** projects successfully commissioned, with additional projects under execution.
- More than **7,600 TPD of RDF** processed through our boiler systems.
- Solutions tailored to customer requirements including New Boilers, Retrofitting, Modifications & Engineering Services.
- Advanced Dual Combustion Technology integrating **AFBC + Reciprocating Grate** for **waste firing.**

WE PROVIDES ONE STOP SOLUTION FOR WASTE TO ENERGY PLANTS....



PRE-PROCESSING / SEGREGATION OF FUEL



POWER PLANT



AIR POLLUTION CONTROL EQUIOMENT

Waste Reduction
Energy Recovery
Fuel Savings

"Reliable. Renewable. Worldwide"

AIR POLLUTION
CONTROL DEVICES



Bag Filter



Electrostatic Precipitator (ESP)

Capacity Range

- Steam Boiler Capacity upto **100 TPH**
- Flue Gas Handling Capacity up to **500,000 Am3/hr**
- Achieving Lower SPM EMISSIONS up to **30 Milligrams / Nm3**

Applications

- Multi Fuel Fired Boilers (Biomass, RDF & Coal)



Multi Cyclone Dust Collector

Multiple-cyclone separators consist of several small-diameter cyclones operating in parallel, using a common gas inlet and outlet. They function similarly to single cyclone separators by creating an outer downward vortex and an ascending inner vortex.



Wet Scrubbers & FGD's

Flue-Gas Desulfurization (FGD) is a set of technologies used to remove Sox from Exhaust Gases coming out of the Power / Process Steam Boiler's and Furnaces running on the Fossil Fuel / High Sulphur fuel (Petcoke / Coal), and also from the Emissions of other Sulfur Oxide's Emitting Processes.

OPERATION & MAINTENANCE OF
STEAM BOILER & POWER PLANT

Our aim is to deliver reliable power at the most competitive lifetime cost per MW. **Core Axis - Akaya** provides comprehensive Operation & Maintenance (O&M) services for power plants, including steam turbine repair and maintenance through experienced and qualified experts.
Our O&M solutions optimize fuel, water, chemicals, spares and consumables, ensuring reliable plant performance and maximum uptime.

Service Range: 350 kW to 50 MW Power Plants



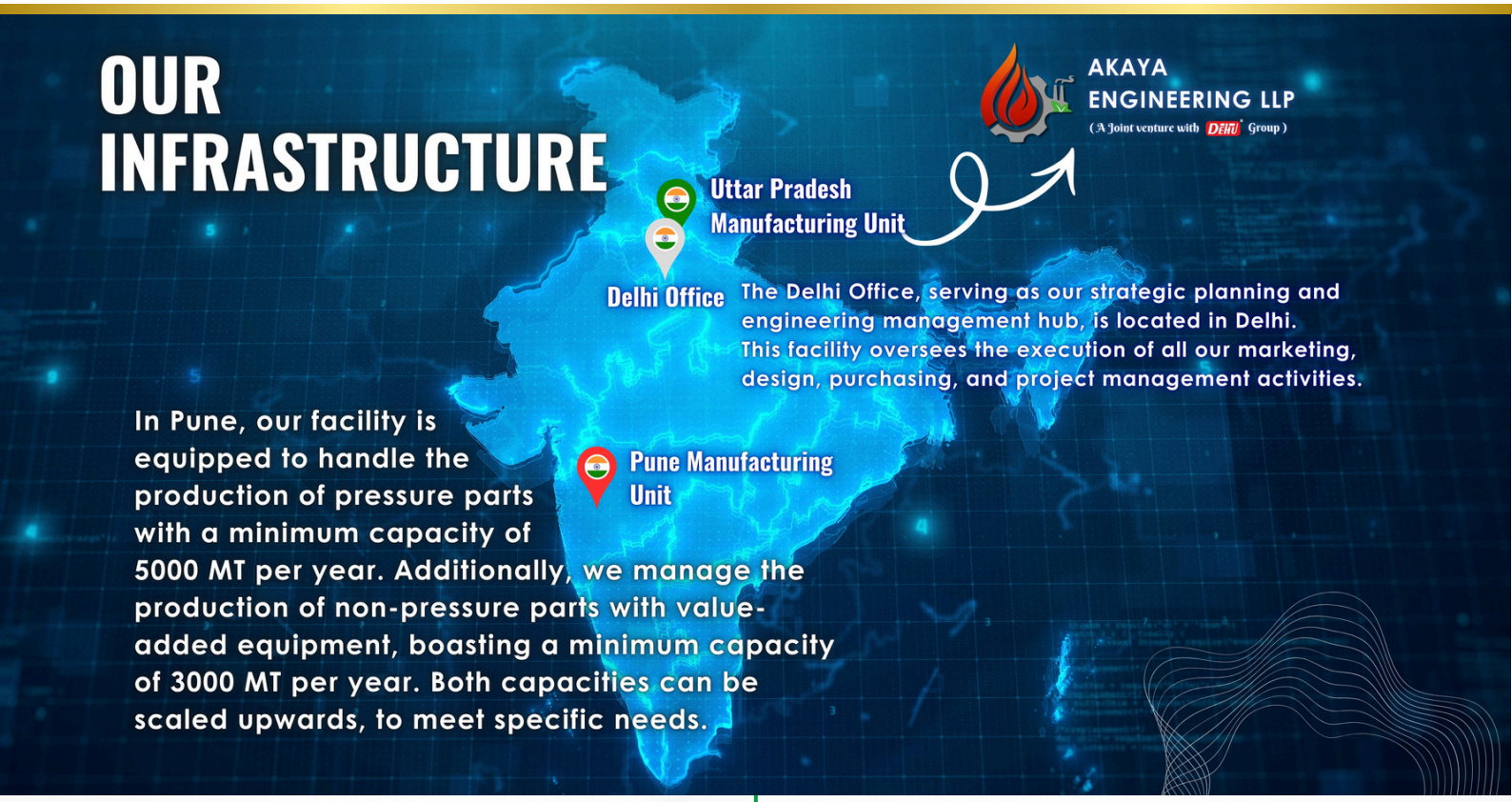
STEAM AT COST BASIS

CHANGING MARKET SCENARIO-THE NEED OF THE HOUR
Today the CUSTOMER wants to focus on his PRODUCT and MARKETS. CUSTOMER wants to focus his RESOURCES and MANPOWER on his PRODUCTS.
CUSTOMER is looking for agencies WHO CAN MANAGE HIS UTILITIES EFFECTIVELY and COMPETITIVELY.
AND THE ANSWER IS " STEAM AT COST " BY CORE AXIS - AKAYA

WHY CORE AXIS - AKAYA FOR O&M SERVICES ?

- No OEM Supervision in overhauling of various Equipments.
- No Assistance for spares, Chemicals & Consumables for OEM.
- In-house Assistance for all the troubleshooting, inventory etc.
- Fixed costs.
- Guaranteed availability of Power.
- Guaranteed Performance.
- Ability to sale surplus Power.
- Maintenance inspection optimization.
- Maintenance Cost Production.
- Extended Plant Life.
- Plant Operation Flexibility.
- Increased Operating Safety.
- Performance improvements through Innovation & Cross learning.
- Availability & reliability improvements.
- In-house manufacturing & workshop facility for repairing, sand blasting and for all job works related to power plant industry.
- No need for an In-house team of O&M Staff.

OUR INFRASTRUCTURE



CORPORATE OFFICE – NEW DELHI

Location - 27 /6, Double Storey
Tilak Nagar, New Delhi - 110018
Name - Mr. Nitish Sharma
Contact - +91 78350 52921
Email - n.sharma@coreaxisglobal.com

OFFICE – PUNE (West & South Zone)

Location - Gera's Imperium Gateway, C Tower, C-341, Nashik Phata Metro, Behind Bhosari, Pune - 411034 Maharashtra State, India.
Name - Mr. SharanKumar M
Contact - +91 92666 87758
Email - marketinghead@coreaxisglobal.com

OFFICE – DURGAPUR (East Zone)

Location - DurgaPur
Name - Mr. Dhananjoy Garai
Contact - +91 92660 98889 / 97320 60311
Email - D.garai@coreaxisglobal.com

MANUFACTURING UNIT – PUNE

Location - Gat No. 390, Dehu-Alandi Road, Near Talawade IT Park, Pune-411062, Maharashtra, India

UPCOMING MANUFACTURING UNIT – NORTH

Location - Khasra No: 587/2, Jansath Road, Village Sikheda, Muzaffarnagar, Uttar Pradesh



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