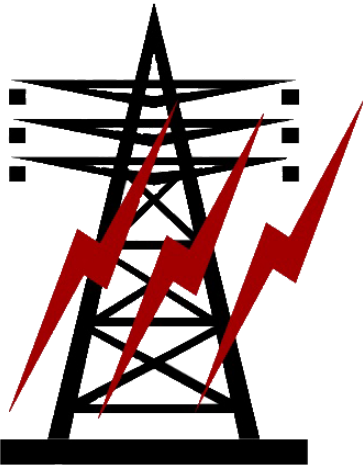


ARAVINTHRAAJAN ENERGY SYSTEMS PRIVATE LIMITED

ReNew the World with Clean & Green Power



POWERful SOLUTIONS

EXPERIENCE THE REAL ENGINEERING



aessoft

<https://www.aessoft.in>





DIGITAL ENABLED SUSTAINABLE SOLUTION PROVIDER FOR POWER & ENERGY INDUSTRY

It is pleasure in introducing ourselves as a specialized **CLEAN-ENERGY** venture for energy transition in the power & energy sector and we focus core engineering expertise in delivering sustainable solutions to global clients in achieving their objectives.

We have exposure to three decades of experience in Electric Power Generation, Renewable Energy & Infrastructure Domain involving Project Development & Execution from Concept to Commissioning including

system Design, Basic / Detailed Engineering, Strategy formulation and deployment for optimization, Supply Chain Management, Project Management for Schedule & Cost Control and Construction co-ordination.

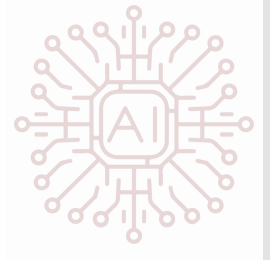
Extensive experience in Engineering, Procurement & Construction Management (EPCM) of Combined Cycle (LNG / Natural Gas), Thermal (Coal, Oil & Biomass), Waste to Energy (WtE), Waste Heat & Renewable Energy Power Plants for Utility, Independent, Captive, Co-Generation (combined heat & power) and Tri-Generation needs.

Procurement/Global Sourcing, Contracting of Power Boilers / HRSGs, Steam / Gas Turbine Generator (BTG/Power Block) & Balance of Plant (BOP) packages including Coal & Ash Handling (CHP/AHP) packages, Engineering / Construction Services from Global Suppliers for Ultra Mega Power Projects (UMPP) & large Combined Cycle Power Plants (CCPP).





ENERGY ENGINE™



OUR ARTIFICIAL INTELLIGENCE DRIVER

Our State of the art AI powered **ENERGY ENGINE Expert System Software (ESS)** for Integrated Digital Power Plant System Design, Diagnosis and Performance Optimization Solution for Thermal Utility Plants, Combined Cycle Power Plants, Waste to Energy(WtE) Plants, Waste Heat Power Plants, Captive Power Plants, Renewable Energy (Biomass) and Co-generation / Trigeneration Plants offers total integrated **POWERful SOLUTIONS** for the A to Z design and diagnosis of Power Plant Systems.

A to Z system design and diagnosis include Gas Turbines, Boilers, HRSGs, Steam Turbines, CW System, ACW System, Cooling Tower, Air cooled Condenser, Plant Water System, Fuel Handling System, Ash Handling System, HVAC, Compressed Air System, Fire Fighting System, Power Piping and generate Heat Balance Diagram, Water Balance Diagram, Equipment List & Specification, Electric Motor List, Plant Performance data, Project Cost Estimation and Cost of Generation calculation.

aessoft

Aravinthraajan Energy Systems Private Limited

Who Are We

Professional Engineering service provider to global client in the field of Electric Power Generation, Oil & Gas, Renewable & Waste to Energy, Industrial Heavy Engineering and Infrastructure related Industry.

Our Mission

Providing innovative digitalized **POWERful SOLUTIONS** for all the stake holders of end customers through application of quality based policies and prudent industry practices and international Standards.

What We Do

Project Development & Execution from Concept to Commissioning including Basic / Detailed Engineering, Supply Chain Management, Project Management and Construction co-ordination.

OUR UNIQUE SELLING PROPOSITION

Sustainable POWERful Solutions to Every Energy Needs

LARGE THERMAL UTILITY POWER PLANTS

Sub-Critical / Super-Critical / Ultra-Super-Critical Thermal Utility Power Plants firing domestic & imported Coal / Lignite with PF+DeNox+ FGD / CFBC Technologies

CLEAN ENERGY HIGH EFFICIENCY COMBINED CYCLE POWER PLANTS

Natural Gas / Re-gasified LNG fired Clean Energy High Efficiency Combined Cycle Power Plants (CCPP) and Co-Generation Plants using the latest new generation Advanced Class Gas Turbines for Utility and Industry

CAPTIVE POWER / CO-GENERATION / TRI-GENERATION PLANTS

Captive, Co-Generation and Tri-Generation plants for Sugar, Steel, Cement, Paper, Chemical and Process Industries across the Globe

GREEN / RENEWABLE POWER PLANTS

Biomass and other Energy Crops based RENEWABLE Energy Power Plants using Combustion and Gasification Technologies

WASTE TO ENERGY (WtE) POWER PLANTS

Waste to Energy (WtE) based Power Plants using Combustion and Gasification Technologies

WASTE HEAT POWER PLANTS

Waste Heat based Power Plants utilizing Coke Oven / Sponge Iron / Cement Kiln / Glass Furnace and other waste gases using proven Rankine / Organic Rankine Cycles (ORC)

DISTRIBUTED POWER PLANTS

Diesel / Gas Engine and Renewable Energy based Power Generation along with storage for communities and off-grid areas

DESALINATION AND WATER TREATMENT PLANTS

Ion Exchange / Reverse Osmosis / Electrodialysis / Thermal Distillation Desalination & Water Treatment Plants for domestic supply and industry

FLUE GAS TREATMENT PLANTS

De-Dust (Electro Static Precipitator / Bag Filters / Wet Scrubbers), De-NOx and De-SOx (FGD -Flue Gas Desulfurisation) Plants for Environmental Compliance

OUR OBJECTIVES



- **To act as consultants, advisors and engineers in the fields of Electric Power, Renewable Energy, Oil & Gas, Infrastructure domain & Industry for clean & sustainable energy transition**
- **To execute Engineering Procurement Construction Management (EPCM) contracts for global clients in the field of electric power, renewable energy, oil & gas, infrastructure / industry**
- **To work as owners & lenders engineer for assisting banks and financial institutions for funding power, energy and infrastructure projects**
- **To provide plant diagnostics and troubleshooting services for power, utility, process, steel, cement and other industries and implementing retrofitting and modernization projects**
- **To market the related software and equipment in the field of fuel / energy saving & Energy Management systems on a global basis**
- **To provide advisory services for Emission Control in Thermal Power Plants (De-Dust (Electro Static Precipitator / Bag Filters / Wet Scrubbers), De-NOx and De-SOx (FGD -Flue Gas Desulfurization) for Change in Law on account of Compliance of the Revised Emission Standards of the Ministry of Environment, Forest and Climate Change, Government of India (MoEF&CC)**
- **Support Global Client to operate & manage power and utility plants with best energy efficiency**

WHY CHOOSE US?

BEST QUALITY DESIGNS

Implementation of overall Power Plant design in 3D by integrating P&IDs, Plant & Equipment layout, piping layout, isometrics, electrical cable & cable tray routing including generation of bill of quantities

BEST PROJECT ENGINEERING MANAGEMENT

Integrated Engineering-Procurement schedule tracking system based on construction linked milestones as a project monitoring tool

VENDOR DEVELOPMENT & GLOBAL SOURCING

Project Procurement & Sourcing of Power Block & Balance of Plant Equipment and sourcing of various engineering & construction services including tendering, evaluation and contract finalization involving international and domestic manufacturers, suppliers and engineering consultants / service providers.

EXPERIENCED MULTI-DISCIPLINARY TEAM

Project Based Teams comprising multi-disciplinary resources (Mechanical, Electrical, Civil & Structural, Piping and Controls & Instrumentation) including project management and construction support

BEST ENGINEERING SOFTWARE TOOLS

System Design, Heat & mass balance and optimization of Thermal Utility / Combined Cycle / Cogeneration / Trigeneration / Captive Power Plants and HRSG simulation using AI powered **ENERGY ENGINE** expert system software

BEST PROJECT DOCUMENTATION PRACTICES

Project documentation including Technical Diary and vendor data bank development for operation and maintenance.

OUR 6-D PROCESS

01 Discover

Data Mapping & Market Studies, Technology selection & due diligence and preparation of Techno-Economic Feasibility Reports (TEFR)

02 Define

Detailed Project Reports (DPR), Financial Modeling and Analysis, Pre-Bid / Proposal Engineering, and EPC Offer / Tender Document preparation

03 Design

Basic Engineering including steam cycle simulation / optimization for heat & mass balance, system design, water balance and preparation of Over all plot plans

04 Develop

Detailed Engineering including equipment layouts, schemes, P&ID's, selection & sizing of equipment, specification, tendering, techno-commercial evaluation & vendor engineering / drawing review

05 Deploy

Post-Bid Project Control and contract management including Project Planning, Supply Chain Management and obtaining statutory clearances like regulatory compliance etc

06 Deliver

Construction co-ordination with site for execution of Civil Construction and Erection & Commissioning work with in cost and time, performance testing and Operation & Maintaince of the Plant.



OUR INNOVATIVE APPROACH

DaaS

DESIGN AS A SERVICE



DaaS, as Aggregator of Engineering and Design Associates, we deliver Global Client their Engineering and Design Outsourcing needs in Power, Heavy Engineering, Oil & Energy industry domain on a single window basis at an optimum cost and time.

OUR CUSTOMERS



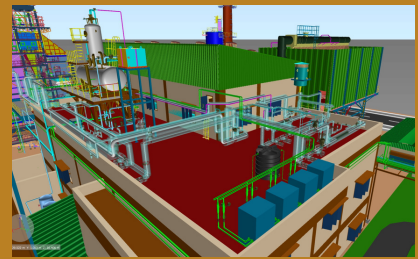
OUR BUSINESS AREAS



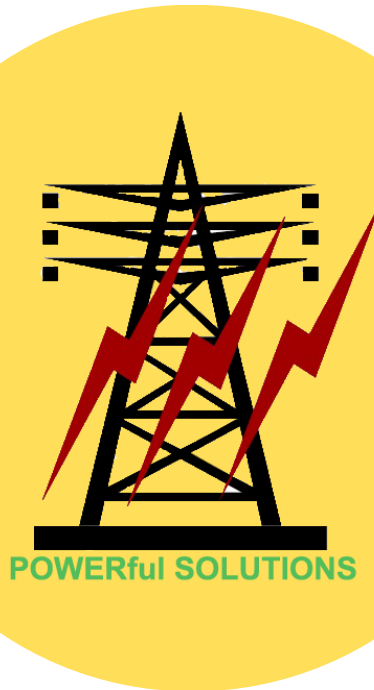
Energy Efficiency Products



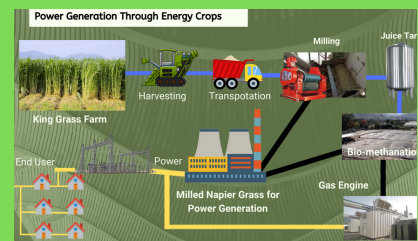
Energy Engineering Services



Energy Management Solutions



Energy Sustainable Innovations



ENERGY EFFICIENCY PRODUCTS



EXPERT SYSTEM SOFTWARE

PPCYCLE (Thermal Utility Power Plant System Design & Performance Simulation)
 GTCYCLE (Combined Cycle Power Plant System Design & Performance Simulation)
 STCOGEN (Captive/Cogeneration Plant System Design & Performance Simulation)
 WHXXPERT (Waste Heat Power Plant System Design & Performance Simulation)
 DGPLANT (DG Based Captive Plant System Design & Performance Simulation)
 ROPLANT (RO Desalination Plant System Design calculation)
 WtE-RENEWGEN (Waste to Energy / Renewable Power Plant Design & Performance Simulation)

ENGINEERING TOOLS & APPS

BOILERPERF (Engineering Tool / Mobile App for Boiler Efficiency Calculation from field data)
 PLANT ENGINEER (Engineering Calculation Tool for Design / Process / Operation Engineer)
 PIPEXXPERT (Engineering Tool / Mobile App for Pipe Sizing & Pressure Drop Calculation)
 STEAM PLANT UTILITY (Engineering Tool / Mobile App for Steam Plant Calculations)
 STEAMCAL (Steam & Water Properties-Mollier Chart Tool / Mobile App)
 AIRCAL (Air Properties-Psychometric Chart Tool / Mobile App)

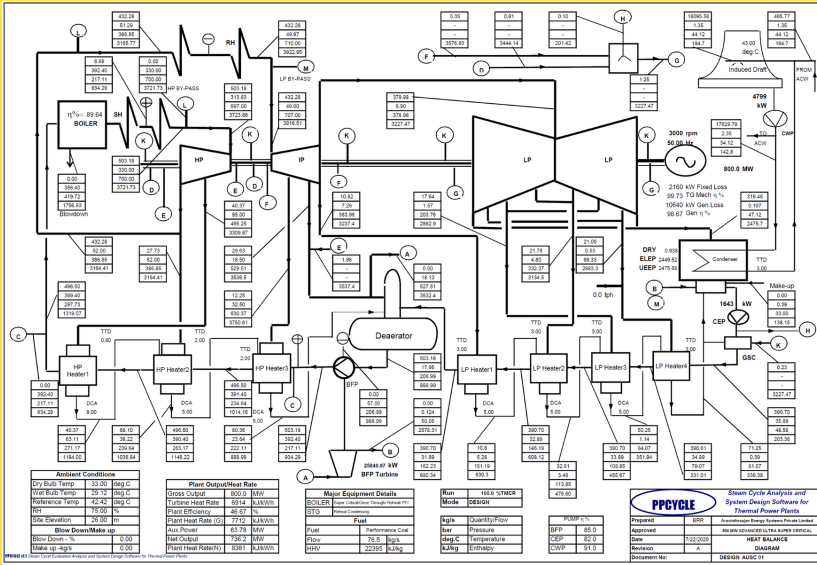
ENERGY EQUIPMENT DESIGN SOFTWARE

IBP (Integrated Boiler Program for Water-Tube Bi-Drum & D-type boilers)
 HRSG+ (HRSG Design & Performance Software)
 WHRB+ (Water Tube WHRB Design & Performance Software)
 TWIN (Single Flue or Twin Flue Oil / Gas fired Shell and Tube Boiler Thermal Design Program)
 FTBD (Fire Tube Waste Heat Boiler Design Program)
 ECOPRO (Economiser Thermal Design / Performance Software)
 AIRHEAT (Tubular Air Heater Thermal Design / Performance Software)
 HEXPLUS (Shell & Tube Heat Exchanger and Feed Water Heaters Thermal Design Software)
 ACCXXPERT (Air Cooled Condenser Design & Performance Software)
 WCCXXPERT (Water Cooled Condenser Design & Performance Software)

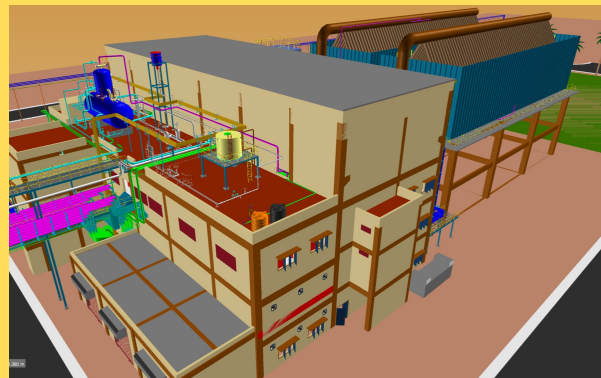
ENERGY TECH-EDUCATION SERIES

- MECHANICAL/THERMAL PROCESS DESIGN TRAINING SERIES FOR POWER & ENERGY INDUSTRIES.
- ACADEMIC LECTURES SERIES FOR ENGINEERING COLLEGES / INSTITUTES / UNIVERSITIES.
- RESEARCH & DEVELOPMENT SERIES

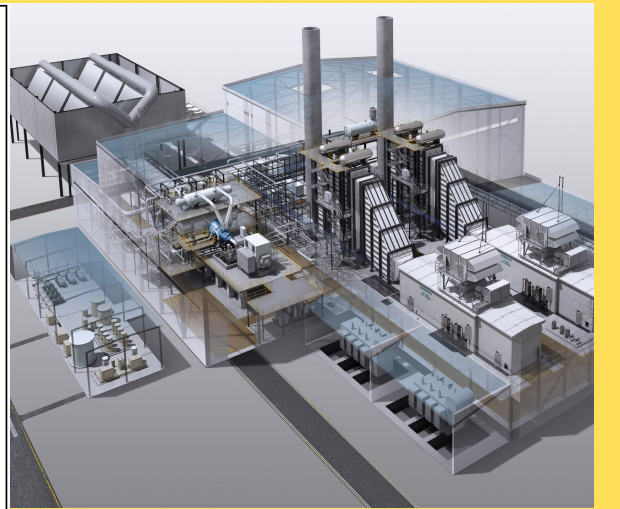
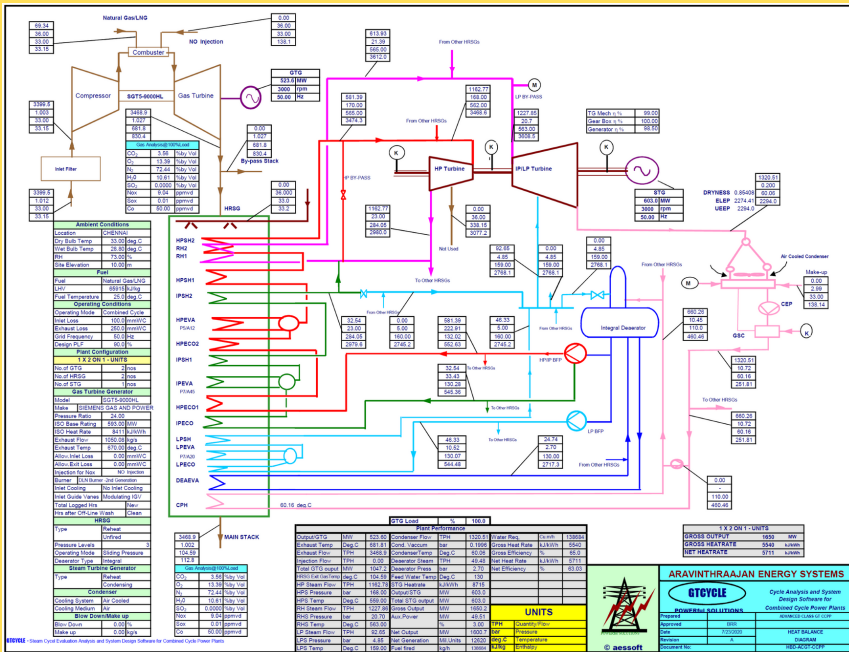
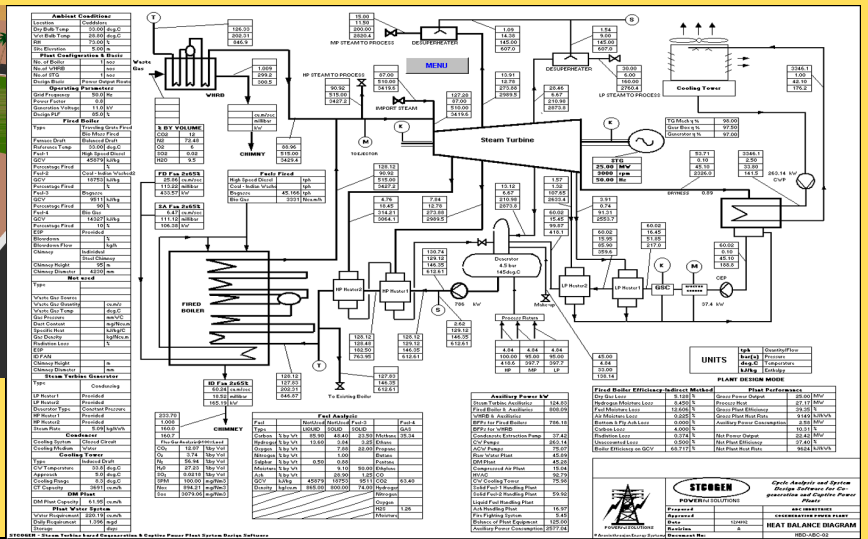
ENERGY EFFICIENCY PRODUCTS



PPCYCLE



STCOGEN



GTCYCLE

ENERGY ENGINEERING SERVICES



FULL RANGE OF SERVICES

We serve customers to develop projects from the concept to commissioning and thereafter in operation and maintenance.

Our services allow the project to be structured in a balanced way in all its dimensions, with the detail and depth that they require in each stage.

With this approach, we aim to minimize project development costs, to optimize the customer's business model, to ensure project financing and to preserve maximum environmental commitment.

We can offer a full range of services, from engineering to support services and management.

SCOPE OF SERVICES

Our capacity and experience in the integration of these services allows it to undertake the projects within the expected time, budget and quality, and thus become a company highly specialised in integrated management and in the performance of projects with a large technological component to preserve maximum environmental commitment.

We have experience executing works of different scopes, according to the needs of the customer:

- Conceptual analysis of opportunities, techno-economic feasibility studies (TEFR)
- Detailed Project Reports (DPR).
- Front End Engineering and Design (FEED)
- Pre-Bid / Proposal Engineering
- Engineering and Procurement (EP)
- Engineering, Procurement and Construction Management (EPCM)
- Project Management Consultancy (PMC)

ENERGY ENGINEERING SERVICES



SERVICES IN THE DIFFERENT PHASES OF A PROJECT'S LIFE

Our team is able to provide services of different nature and forms of contracting at any stage of the life of the project from the conceptual analysis to the start-up and O&M.

PROJECT DEVELOPMENT

- PROJECT CONCEPT DEVELOPMENT
- DATA MAPPING & MARKET STUDIES
- SITING STUDIES AND SITE INVESTIGATIONS
- TECHNOLOGY SELECTION & DUE DILIGENCE
- TECHNO-ECONOMIC FEASIBILITY REPORTS (TEFR)
- CAPEX / OPEX BASED ON INTERNAL REFERENCE PROJECTS
- LIFE CYCLE COST ANALYSIS
- DETAILED PROJECT REPORT (DPR)
- FINANCIAL MODELLING & ANALYSIS
- ENVIRONMENTAL STUDY REPORTS
- TARGET EXECUTION SCHEDULE
- EVALUATION OF PERMITS OR REGULATIONS
- DETAILED ANALYSIS OF RISKS AND FORMS OF MITIGATION
- ENGINEERING AND PROCUREMENT (EP)
- ENGINEERING, PROCUREMENT AND CONSTRUCTION MANAGEMENT (EPCM)
- PROJECT MANAGEMENT CONSULTANCY (PMC)

PROJECT IMPLEMENTATION

- PROJECT PLANNING COMPRISING CONSTRUCTION LINKED ENGINEERING & PROCUREMENT SCHEDULE
- PROJECT MANAGEMENT FOR MONITORING AND CONTROLLING SCHEDULE & COST
- PROJECT PROCUREMENT / GLOBAL SOURCING
- VENDOR QUALITY & VENDOR MANAGEMENT
- QUALITY, INSPECTION & EQUIPMENT MANAGEMENT
- SUPPLY CHAIN MANAGEMENT / LOGISTICS SUPPORT
- SUPERVISION OF SITE CONSTRUCTION & ERECTION
- SUPERVISION OF COMMISSIONING AND TRIAL OPERATION
- SUPPORT IN PERFORMANCE GUARANTEE TEST
- SITE QUALITY, ENVIRONMENT AND SAFETY MANAGEMENT
- WARRANTY SUPPORT
- TRAINING OF OPERATING STAFF

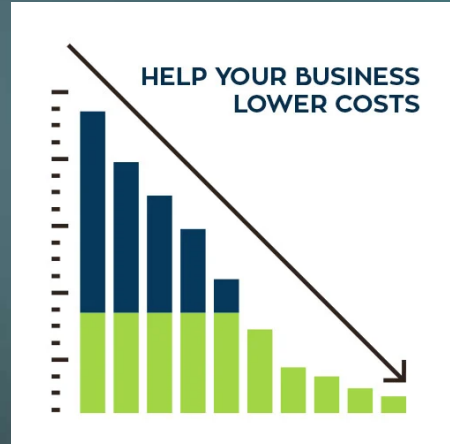
PROJECT ENGINEERING

- BASIC ENGINEERING
- FRONT END ENGINEERING AND DESIGN (FEED)
- PRE-BID / PROPOSAL ENGINEERING
- DETAILED ENGINEERING COMPRISING ALL THE DISCIPLINES
- PLANT EQUIPMENT TECHNICAL SPECIFICATIONS / REQUIREMENTS FOR TENDERING
- COMPILATION OF TENDER / PURCHASE DOCUMENTS
- TECHNO-COMMERCIAL EVALUATION & COMPARISON OF BIDS/OFFERS
- SUPPORT IN NEGOTIATIONS & FINALIZATION OF CONTRACT AWARD
- VENDOR ENGINEERING / DRAWING REVIEW
- OWNER'S / EPC CONTRACTOR'S / LENDER'S ENGINEER
- FIELD ENGINEERING SERVICES (SUPPORT DURING ERECTION & COMMISSIONING)
- PLANT PERFORMANCE EVALUATION & TESTING PROCEDURE
- AS-BUILT DRAWINGS

NEED BASED SERVICES

- ENERGY EFFICIENCY IMPROVEMENT STUDIES
- ELECTRICAL SYSTEM STUDIES
- THERMAL SYSTEM STUDIES
- OUTAGE MANAGEMENT
- HAZARD AND OPERABILITY STUDY (HAZOP)
- QUALITY & SAFETY AUDITS
- OPERATION & MAINTENANCE SUPPORT
- TECHNOLOGY UP-GRADATION STUDIES
- PLANT AUTOMATION STUDIES & UP-GRADATION
- SUPPORT IN OBTAINING STATUTORY CLEARANCES AND REGULATORY COMPLIANCE
- ENGINEERING IT SERVICES
- 3D MODELLING
- ASSET DIGITIZATION
- SPECIAL PROJECTS DEVELOPMENT

ENERGY MANAGEMENT SOLUTIONS

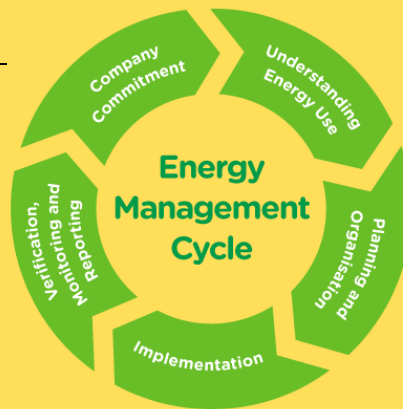


We specialize in energy conservation & management and support clients in identifying and implementing high-value most sustainable solutions in the Energy Hierarchy and zero-capital improvements that lower operating costs and enhance operating efficiencies.

We leverage the power of our artificial intelligence (AI) driven **ENERGY ENGINE** tools to accurately capture energy consumption data from sources. Our team evaluate the data based on the current situation, identify gaps between existing and ideal performance levels, develop strategic plans, and implement improvement projects to close those gaps.

ENERGY MANAGEMENT SOLUTIONS

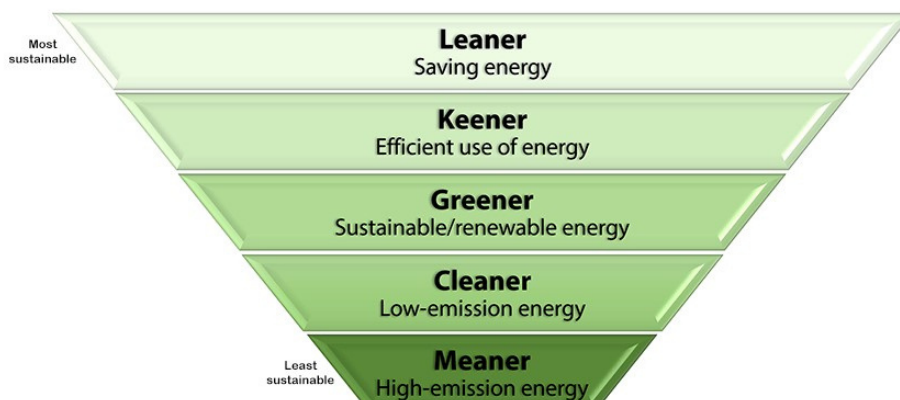
- ENERGY OPTIMIZATION ASSESSMENTS AND IMPLEMENTATION
- TARGET SETTING & PERFORMANCE TRACKING AND REPORTING
- RENEWABLE/CLEAN ENERGY VIABILITY REVIEWS & PROJECT DEVELOPMENT
- COMBINED HEAT & POWER/COGENERATION /TRIGENERATION FEASIBILITY STUDIES
- CARBON FOOTPRINT CALCULATION, REPORTING AND REDUCTION MANAGEMENT



ENERGY MANAGEMENT BENEFITS

- OPTIMIZE ENERGY USE AND REDUCE WASTAGES AND CONSUMPTION
- OPTIMIZE OPEX, CAPEX AND ASSET UTILIZATION
- ENHANCE DECISION-MAKING WITH REAL-TIME ANALYTICS
- GAIN INSIGHTS INTO SEASONAL ENERGY USAGE PATTERNS
- IMPROVE SYSTEM MONITORING BY AGGREGATING DATA FROM SOURCES

The Energy Hierarchy



ENERGY SUSTAINABLE INNOVATIONS



ENERGY EFFICIENT - CLEAN - COST EFFECTIVE

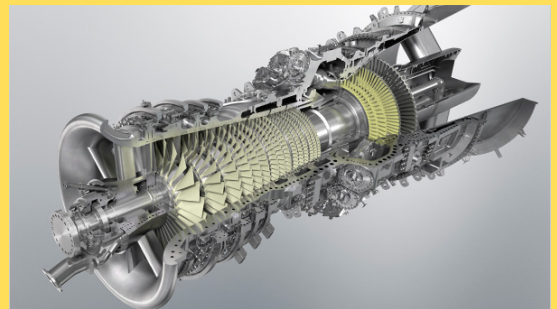
The world as we know is under a lot of stress. The stress varies from resources crunch to the increasing threat in the name of climate change. Addressing the need for sustainable solutions and to aid the process of transition the energy industry is facing, we are committed to providing clean solutions through cutting edge research and constant innovations.

With insights from 30+ years operational and execution level these innovations are focused to integrate, improve efficiencies and provide clean cost effective **SUSTAINABLE** solutions.

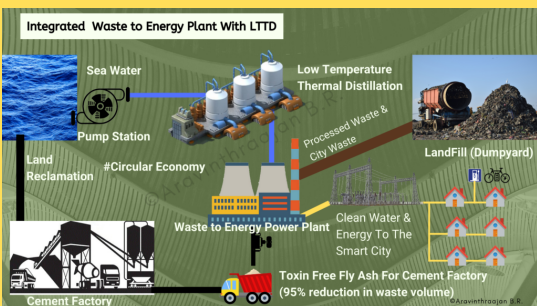
ADVANCED ULTRA SUPER CRITICAL POWER PLANT



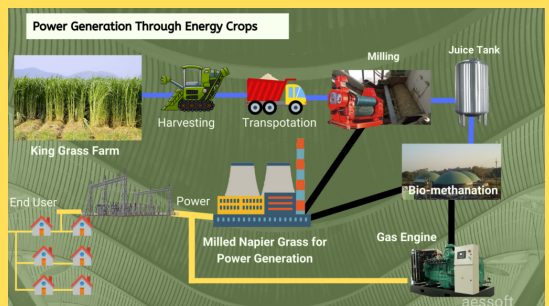
COMBINED CYCLE WITH ADVANCED CLASS GT



INTEGRATED WASTE TO ENERGY PLANT WITH LTDD



POWER GENERATION THROUGH ENERGY CROPS



OUR EXPERIENCE



Exposure in the implementation and execution of over 100+ worldwide projects across India, Central / South America, Saudi Arabia, Jordan, African Countries, Indonesia, Philippines, Bangladesh & Sri Lanka totalling 10+ GW power generation capacity.

100+

Projects Exposure



10GW+

Power Generation



15+

Countries



30+

ESS Products



REFERENCE PROJECTS



Large / Ultra Mega Thermal Power Plants

- 6 x 660 MW Coal fired Supercritical Thermal Ultra Mega Power Plant in Madhya Pradesh, India
- 2 x 300 MW Coal fired Thermal Power Plant in Maharashtra, India
- 1200 – 1800 MW Coal fired Supercritical Thermal Power Plant in Maharashtra, India
- 4x 300 MW Coal Fired Thermal Power Plant in Uttar Pradesh, India
- 2 x 600 MW Coal Fired Thermal Power Plant in Haryana, India
- 2 x 600 MW Coal Fired Thermal Power Plant in West Bengal, India
- 2 x 300 MW Coal Fired Thermal Power Plant in Haryana, India
- Balance of Plant for 1 x 500 MW Coal Fired Thermal Plant in Madhya Pradesh, India
- Balance of Plant for 1 x 500 MW Coal Fired Thermal Plant in Karnataka, India
- 300 MW CFBC boiler based Lignite fired Thermal Power Plant in Gujarat, India.

(-Commissioned / -Planned)

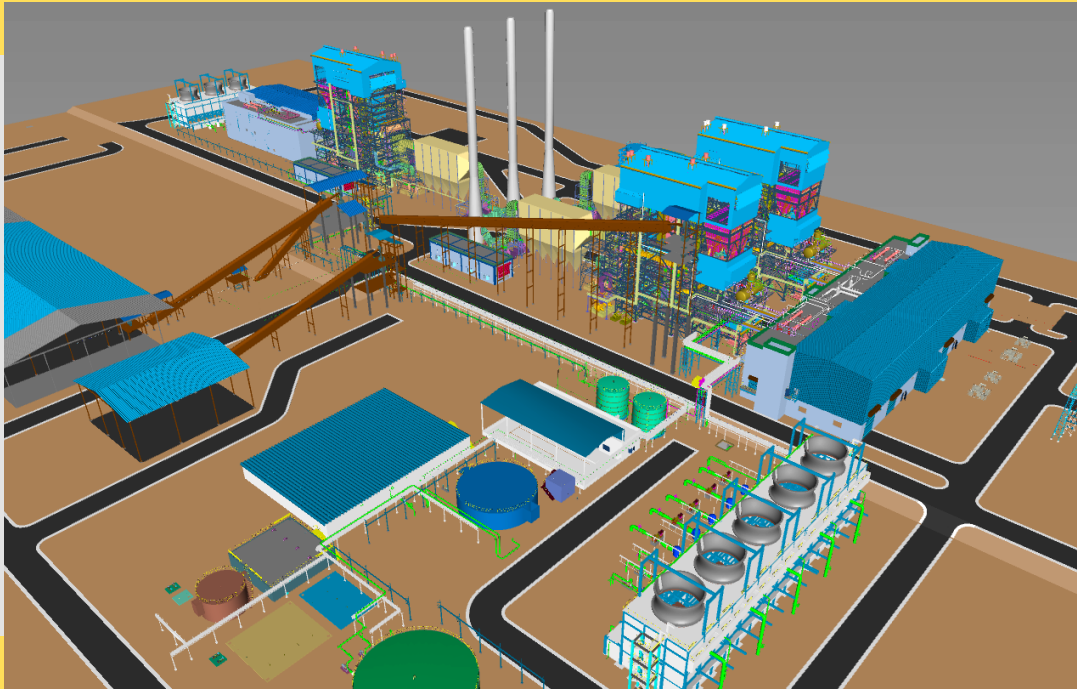
REFERENCE PROJECTS



Clean Energy Combined Cycle Power Plants

- 5600 MW Advanced Class GT based NG fired Combined Cycle Power Plants in Uttar Pradesh, India
- 1400 MW Advanced Class GT based NG fired Combined Cycle Power Plants in Maharashtra, India
- 2 x 2400 MW Advanced Class GT based NG fired Combined Cycle Power Plant in Andhra Pradesh, India
- 360 MW Advanced Class GT based Combined Cycle Power Plant in Gujarat, India
- 107 MW LM 6000PC GT based Naphtha fired Combine Cycle Power Plant in Kerala, India
- 1890 MW LNG fired Combined Cycle Power Plant in Tamil Nadu, India
- 330 MW MHI 701F GT based Naphtha / Natural Gas fired Combined Cycle Power Plant in Tamil Nadu, India
- 115 MW GT based Natural Gas fired Combined Cycle Power Plant in Tamil Nadu, India
- 170 MW GE-PG9171E GT based Naphtha / Natural Gas fired Combined Cycle Power Plant in Andhra Pradesh, India

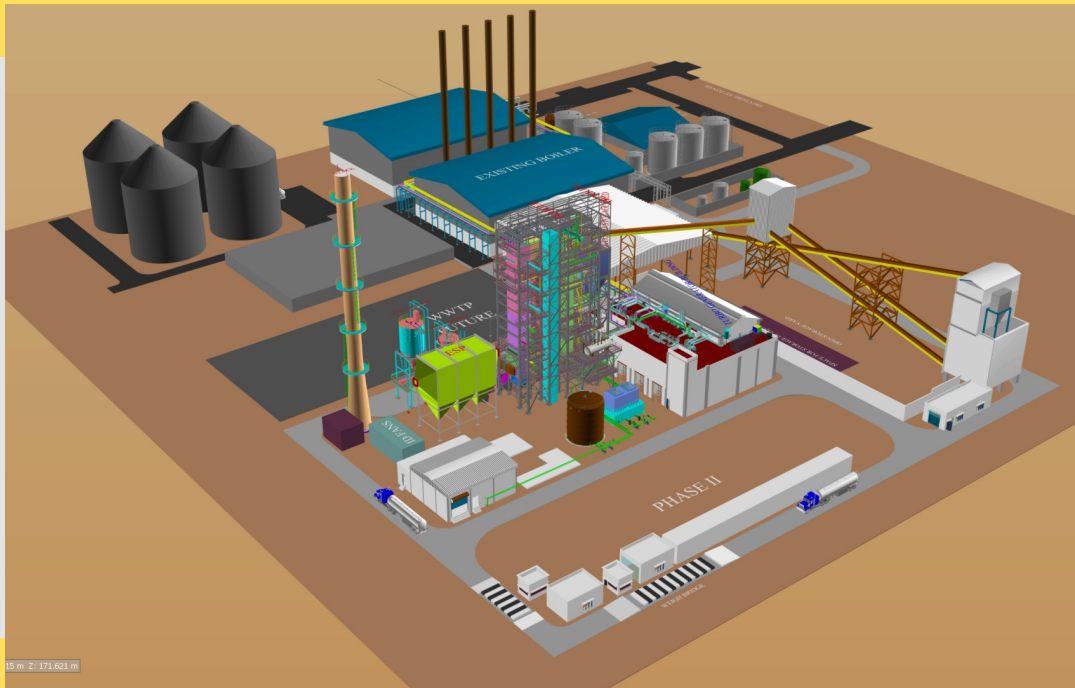
REFERENCE PROJECTS



Captive Power Plants

- Balance of Plant for 154 MW (2X77 MW) Coal Fired Captive Power Plant in Rajasthan, India
- 1 x 120 MW Coal Fired Captive Power Plant in West Bengal, India
- 1 x 20 MW Coal Fired Captive Power Plant in Jharkhand, India
- 20 MW CFBC based captive power plant firing coal in Karnataka, India
- 30 MW CFBC based captive power plant firing coal for cement unit in Andhra Pradesh, India
- 3 X 35 MW CFBC based captive power plant firing coal for cement unit in Honduras, Central America
- 30 MW CFBC based captive power plant firing coal for cement unit in Chhattisgarh, India
- 8 MW Biomass based Captive Power Plant for cement unit in Srilanka
- 30 MW CFBC based captive power plant firing coal for cement unit in Jordan
- 2 x 20 MW Captive Power Plant firing coal for steel unit in West Bengal, India

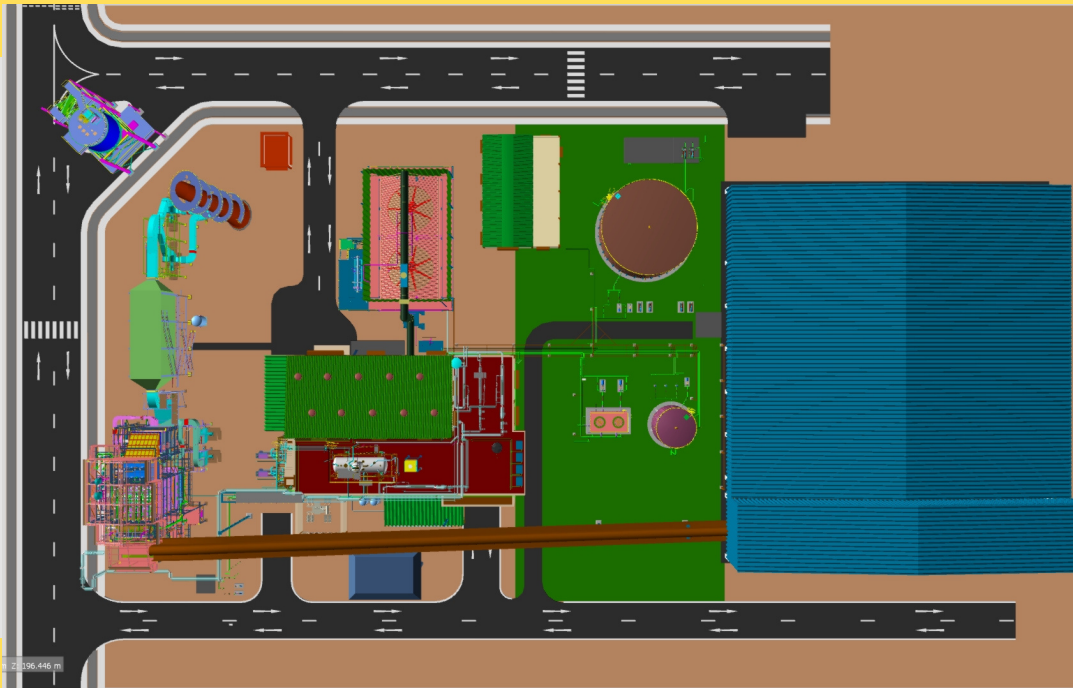
REFERENCE PROJECTS



Cogeneration (Combined Heat & Power) Plants

- 1 x 21 MW Coal fired Cogeneration Power Plant for Paper Manufacturing in Andhra Pradesh, India
- 36 MW bagasse based cogeneration power plant in Maharashtra, India
- 30 MW bagasse based cogeneration power plant in Karnataka, India
- 3 x 16.5 MW Oil/Natural Gas fired cogeneration power plant in Saudi Arabia
- 30 MW cogeneration power plant for Sugar Mill in Karnataka, India
- 20 MW AFBC based cogeneration power plant firing coal for tire unit in Gujarat, India
- 30 MW CFBC based captive cogeneration power plant for chemical unit in Jharkhand, India
- 34.9 MW cogeneration Power Plant firing Bagasse for sugar mill in El Salvador, Central America
- 3 MW cogeneration Power Plant firing coal & biomass in Maharashtra, India

REFERENCE PROJECTS



Renewable (Biomass) / Green Power Plants

- 1 x 7.5 MW Biomass based Captive Power Plant in Rajasthan, India
- 1 x 6 MW Rice Husk based Power Plant in Andhra Pradesh, India
- 10 MW biomass based independent power plant in Haryana, India
- 3.53 MW Biomass based Combined Heat & Power Plant in Srilanka
- 12 MW Biomass based Power Plant in Philippines



REFERENCE PROJECTS



Independent Power Plants

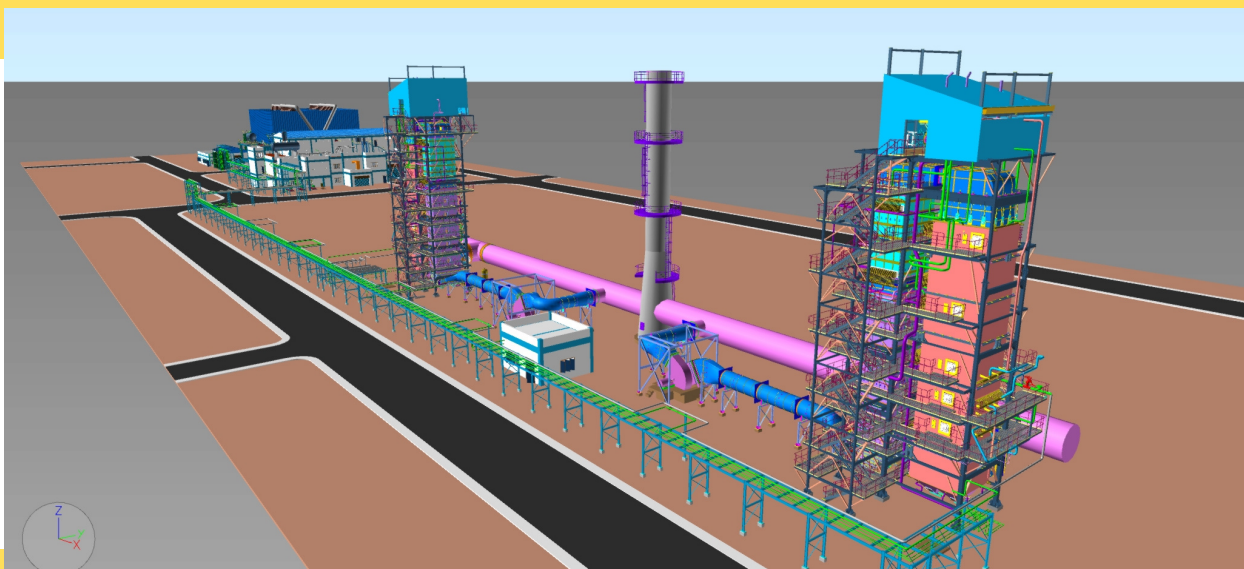
- 1 X 25 MW Coal Fired Independent Power Plant in Uttar Pradesh, India
- 1 x 525 MW Imported Coal Fired Independent Power Plant in Tamil Nadu, India
- 62 MW independent power plant firing coal in Guatemala, Central America
- 50 MW CFBC based independent power plant firing coal washery rejects in Chhattisgarh, India
- 43 MW independent power plant firing Biomass (King Grass) in Honduras, Central America
- 10 MW Independent Power Plant firing Biomass / coal in Chhattisgarh, India
- 12 MW Biomass (Rice Husk & Napier Grass) based Power Plant in Philippines
- 9 MW Coal based Cogeneration Power Plant in Indonesia
- 20 MW LSHS fired Diesel Engine based Captive Power Plant in Tamil Nadu, India

REFERENCE PROJECTS

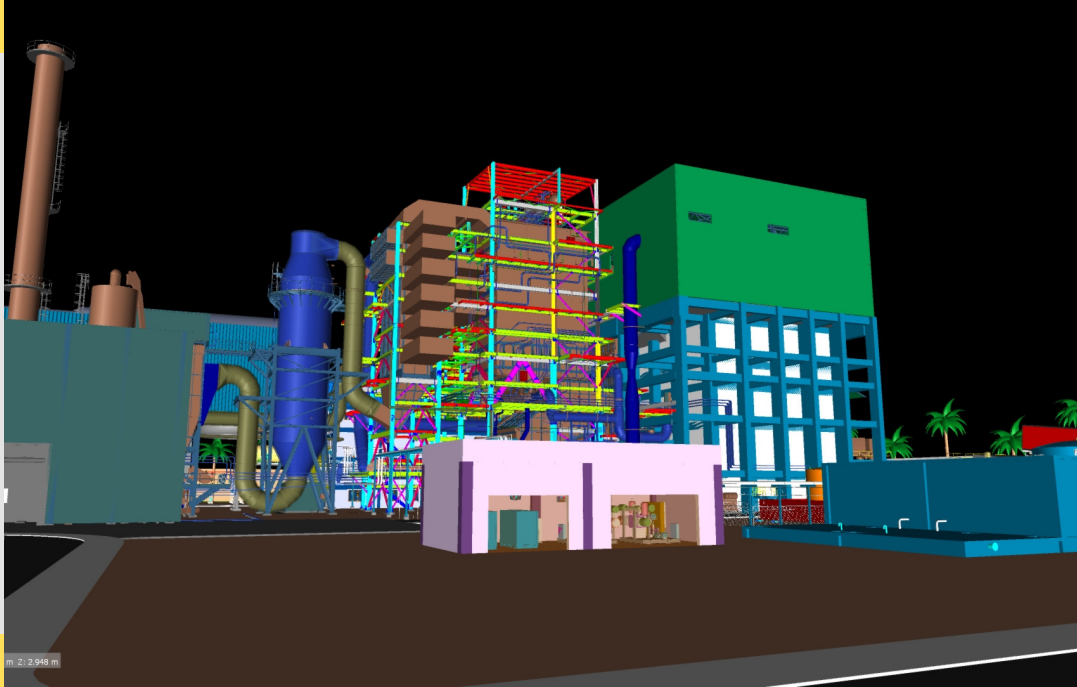


Waste Heat Power Plants

- 100 TPH Waste Heat Boiler for Calcining Power Plant in Andhra Pradesh, India
- 15 MW coke oven waste gas based power plant for steel unit in Andhra Pradesh, India
- 4.72 MW Cement Waste Heat recovery based Power Plant in Rajasthan, India
- 19.05 MW Cement Waste Heat recovery based Power Plant in Andhra Pradesh, India.



REFERENCE PROJECTS

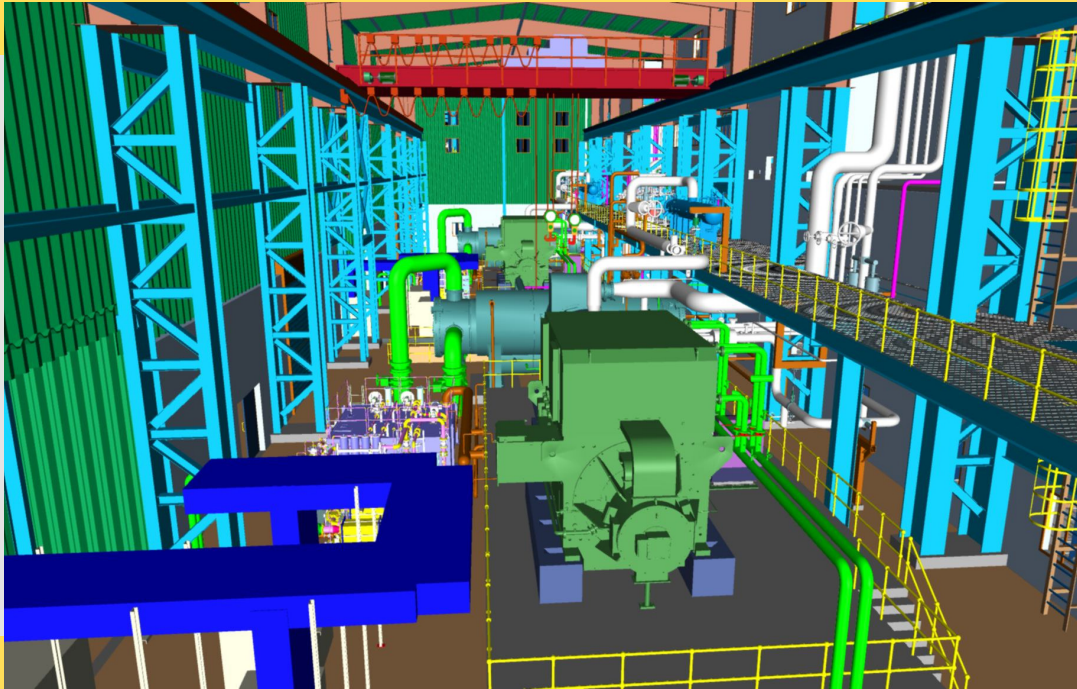


Waste to Energy (WtE) Plants

- 12.3 MW Waste to Energy (WtE) Power plant firing MSW in Madhya Pradesh, India
- 12 MW Waste to Energy (WtE) Power plant firing MSW in Colombo, Sri Lanka
- 1 x 8MWe STG & BOP package for Waste to Energy Plant in Maharashtra, India

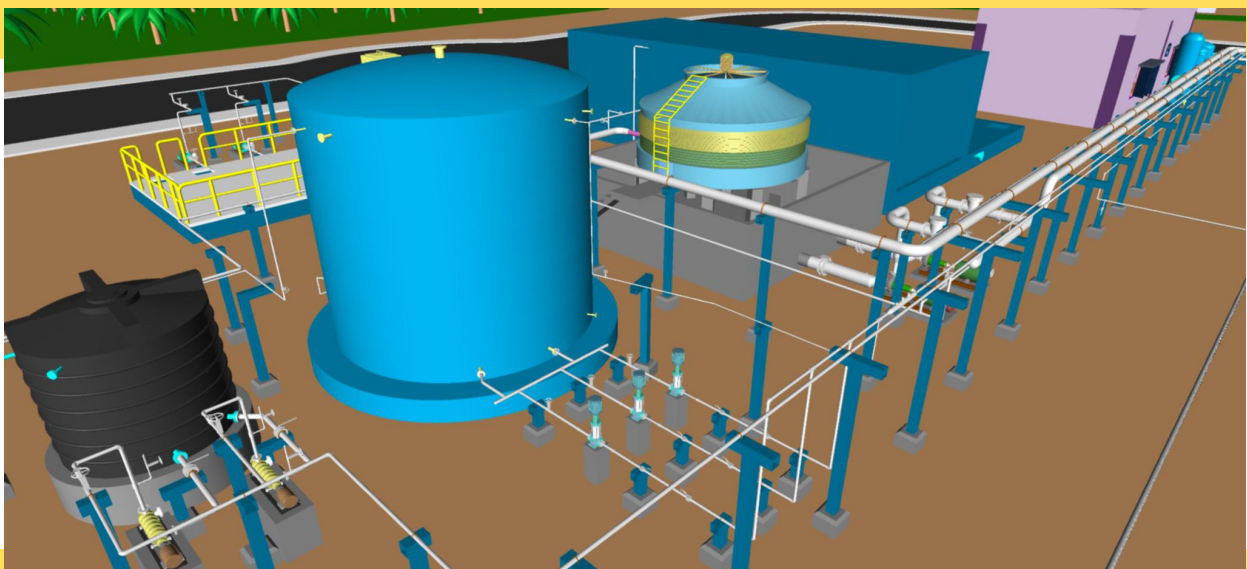


REFERENCE PROJECTS



Integrated Gasification Combined Cycle Power Plants (IGCC) & Sea Water Desalination Plants

- 12 MW GT based Biomass Integrated Gasification Combined Cycle Power Plant in Andhra Pradesh, India
- 490 MW Refinery Residue fired Integrated Gasification Combined Cycle Power Plant in Tamil Nadu, India
- 2 MGD Seawater based Reverse Osmosis Desalination Plant in Tamil Nadu, India



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