



Avion Engineers Private Limited

Company Profile



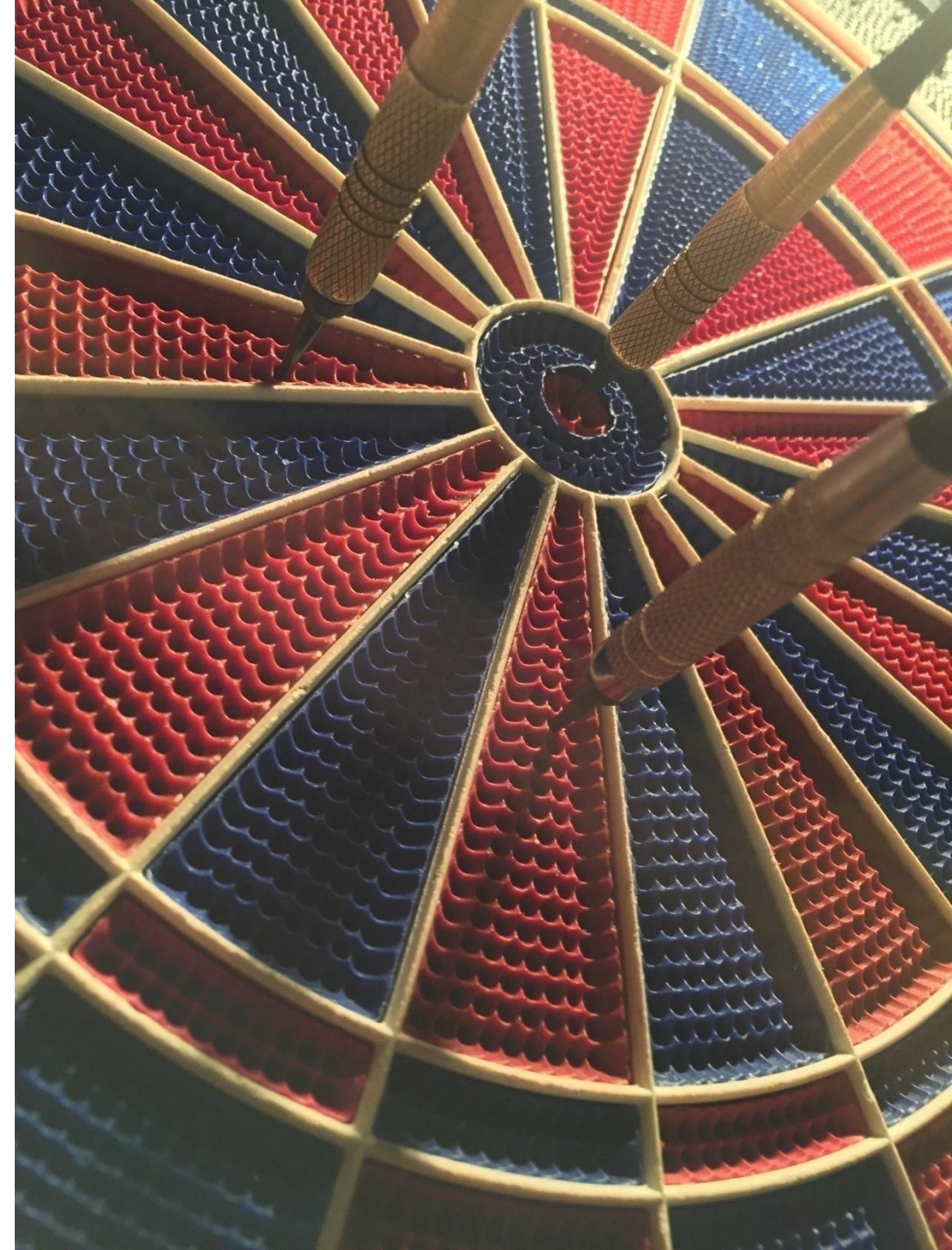
All About Avion Engineers

Glimpse

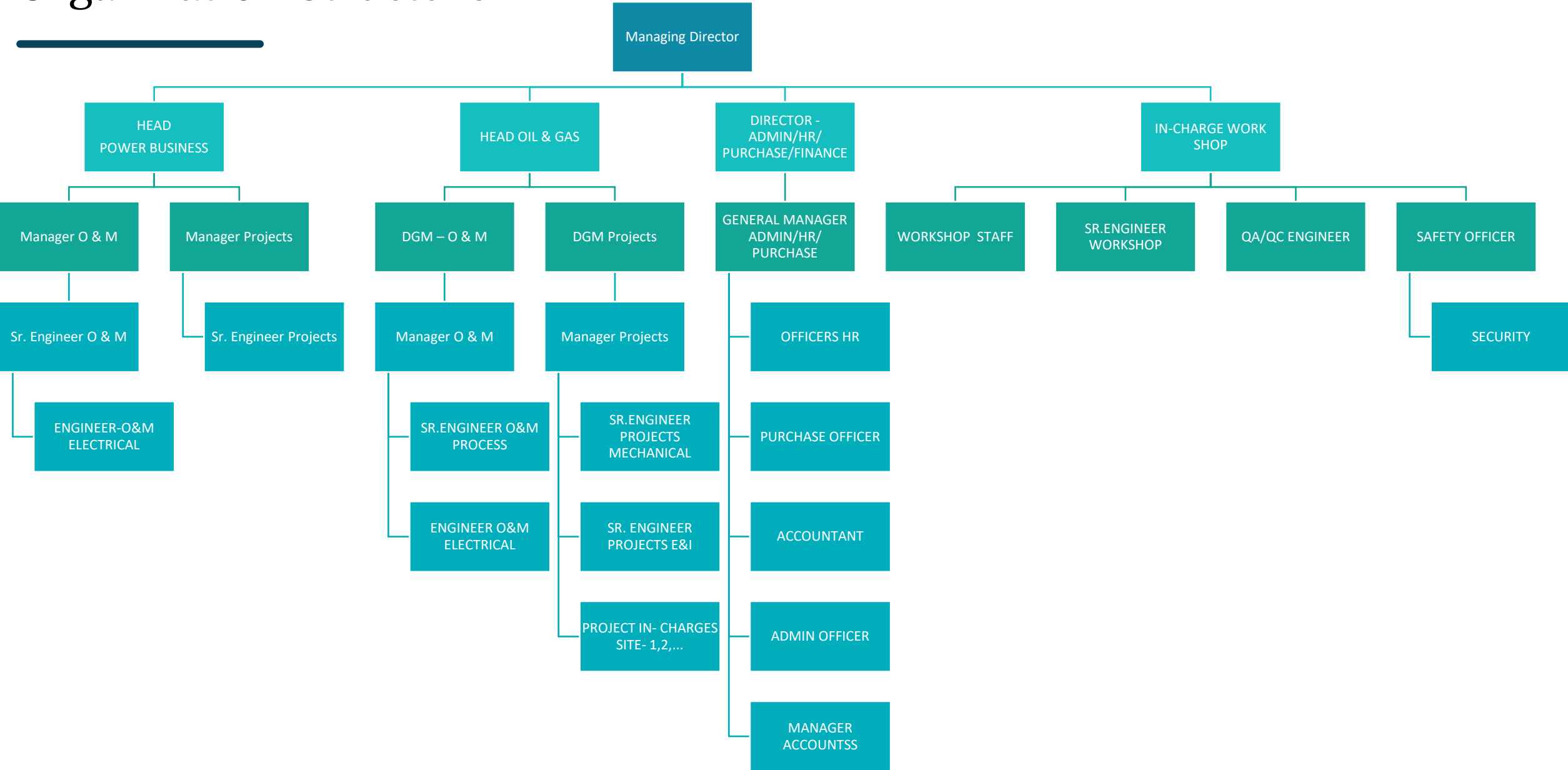
- ❖ Established on 20th July 2012, Avion Engineers Private Limited (AEPL) has grown into AEPC organisation providing turnkey solutions through rich expertise, vision and performance.
- ❖ AEPL has its core competencies in offering EPC for oil and gas, power generation and renewal energy projects in India and abroad.
- ❖ Our experience gives us the ability to do the best in the industry and meeting the expectations of our customers. We believe in doing the services needed for every client and have dedicated service team support on 24x7 .
- ❖ Quality and safety have always been the main focus of the company wherein it continues to provide improved and safe services to all its esteemed clients. We strictly adhere to iso 9001:2015, and ohsas 18001:2007 (ims) along with applicable international standards.
- ❖ Avion Engineers is working in various energy sectors, epc companies, manufacturers, in the governmental and private sectors and providing design, engineering and pmc services.
- ❖ AEPL is built on core competencies of our human resources in project life cycle.

Mission & Vision

- ❖ **VISION:** We treat our client's business as ours, and try to contribute their development by innovative and cost effective solutions.
- ❖ Our **mission** is to have a strong and reliable corporate image with:
 - ✓ Close and supportive customer relations
 - ✓ Providing eminent service and customer satisfaction creative and innovative application of latest technology
 - ✓ Giving the best in technical assistance, erection, commissioning, operation and maintenance works.



Organization Structure



Direct & Indirect Management Staff

Sr. No.	STAFF	STRENGTH
1	MANAGEMENT	6
2	PROJECT MANAGEMENT TEAM	15
3	MARKETING & SALES	6
4	HR & ADMIN	6
5	DESIGN & ENGINEERING TEAM	18
6	SUPERVISOR	45
7	COMMERCIAL	8
8	TECHNICIANS	80
9	OPERATORS	112
10	PIPING & FABRICATION STAFF	78
	TOTAL	374

ENERGY SECTOR: EPC-O&M-TESTING AND COMMISSIONING



Power



Oil & Gas



Renewable Energy

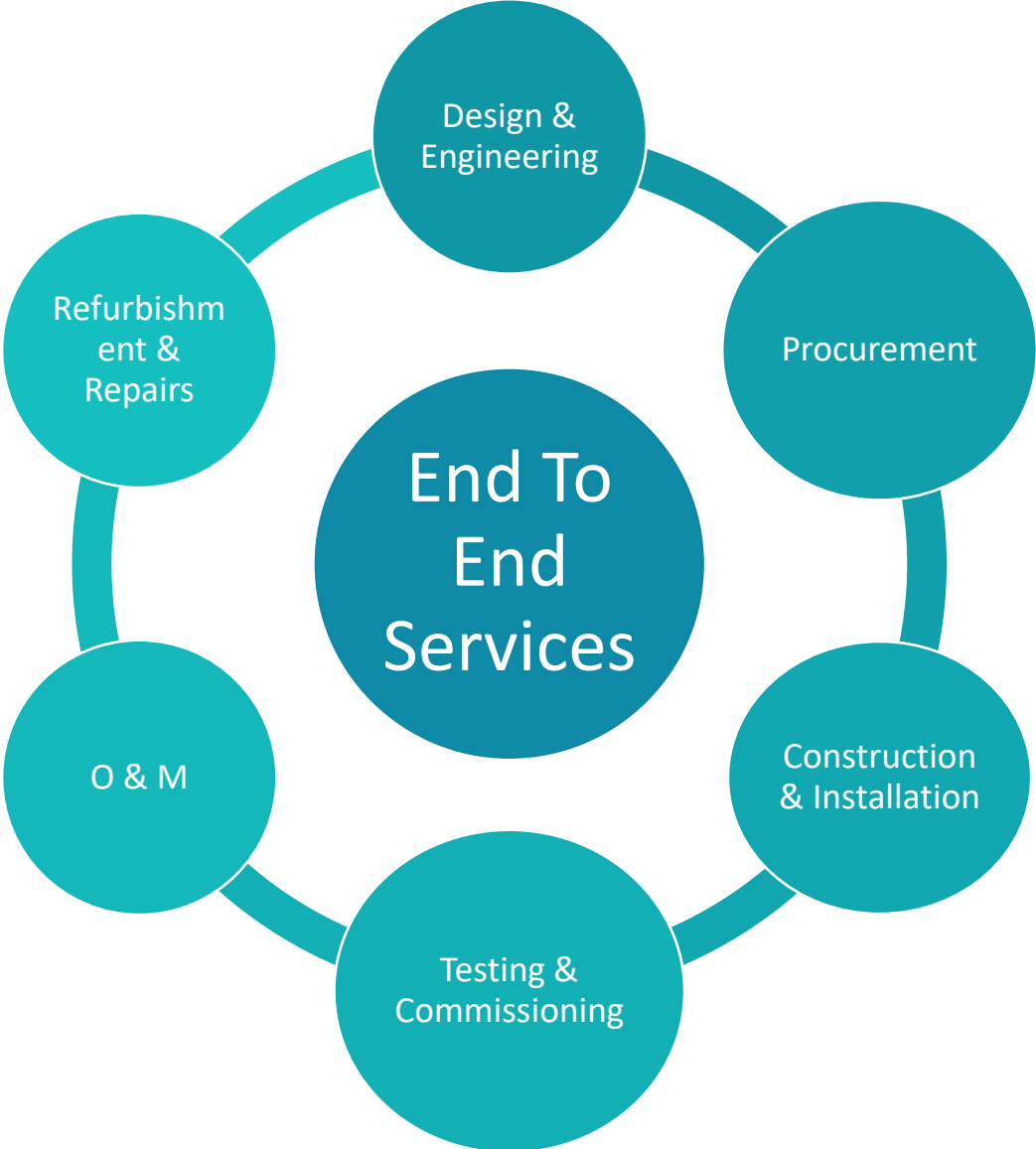


Industrial

Our Belief



Single Point Solutions





Operation & Maintenance



SERVICES

- ❖ CONTRACTS AS PER CUSTOMER REQUIREMENTS. DELIVERING OPTIMUM PERFORMANCE. ENSURING MAXIMUM PLANT AVAILABILITY.
- ❖ ENSURING EFFECTIVE IMPLEMENTATION OF MAINTENANCE ACTIVITIES. CONDUCTING PERIODIC PERFORMANCE TESTS & REPORTING.
- ❖ COST EFFECTIVE & INNOVATIVE STRATEGIES TO CUSTOMER TRAINING PROGRAMMES.
- ❖ ENSURING SAFE & RELIABLE PROCESS OF OPERATIONS CONDUCTING SAFETY TRAINING TO OPERATING STAFF ON HSE.

KEY ACTIVITIES

- ❖ TROUBLESHOOTING
- ❖ CONDITION MONITORING & FAILURE ANALYSIS SCHEDULED MAINTENANCE
- ❖ BREAKDOWN MAINTENANCE



Comprehensive Inclusions

- ❖ Avion Engineers has the know-how to keep your plant operating at peak performance...
- ❖ We have a dedicated team of over Sixty plus dedicated, Experienced and trained technical service setup in Ahmedabad, Ankleshwar, Mumbai, Hyderabad, Gurgaon , Rajahmundry & Varanasi

01

PARTS

- Bearings & Bushings
- Connecting Rods
- Cross head
- Filtration
- Gasket Kits
- Packing
- Pistons
- Piston Ring Kits
- Valve Assemblies & Components
- All Other OEM & Genuine Parts

02

SERVICE

- Service contracts/preventive maintenance
- Troubleshooting
- 24X7 Emergency Service
- Over hauls/Rebuilds
- OEM Trained Technicians

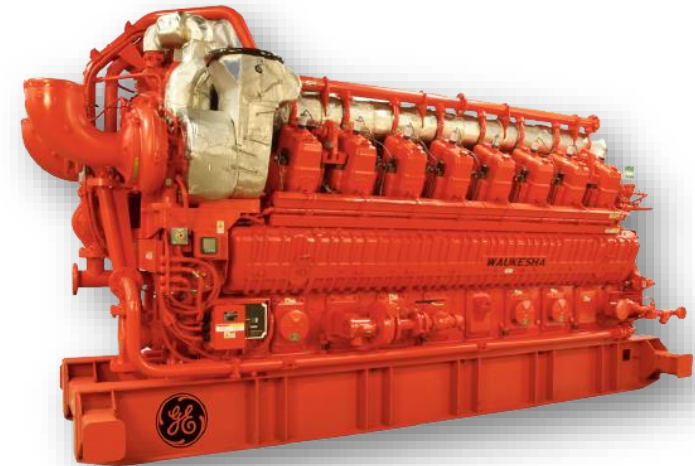
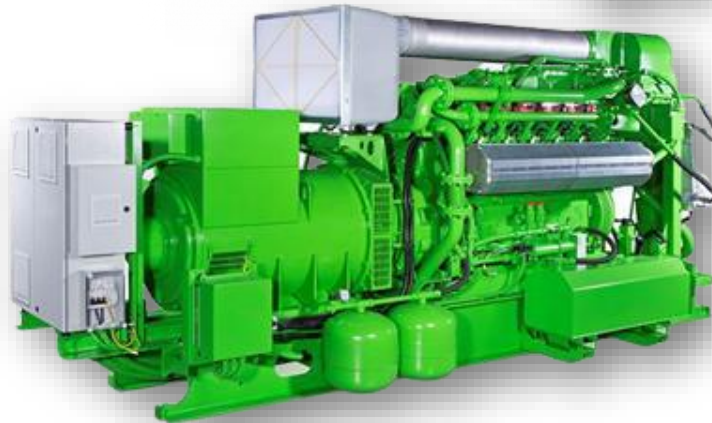
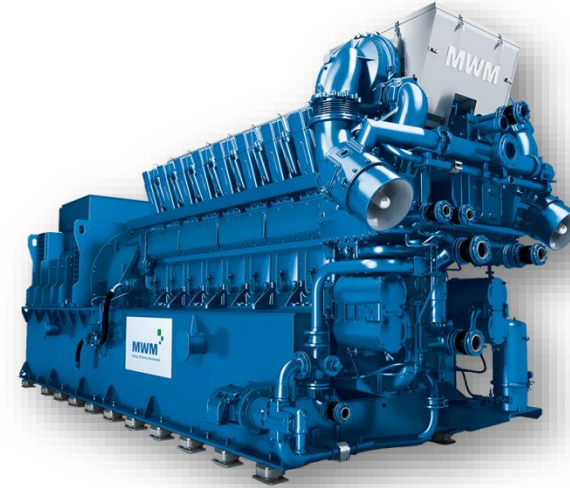
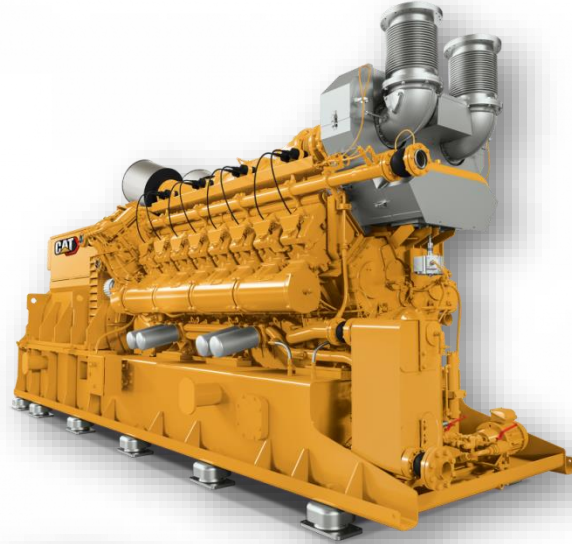
03

REPAIR & OVERHAULS

- Complete Shop Overhauls
- InField Overhauls
- Product Upgrade
- Topend & Major Overhauls
- Lubrication & Water Pump Rebuilds
- Bearing replacement
- Crosshead & Crank shaft Repair
- Cylinders Rebuilds

GAS ENGINE EXPERTS OF THE FOLLOWING BRANDS

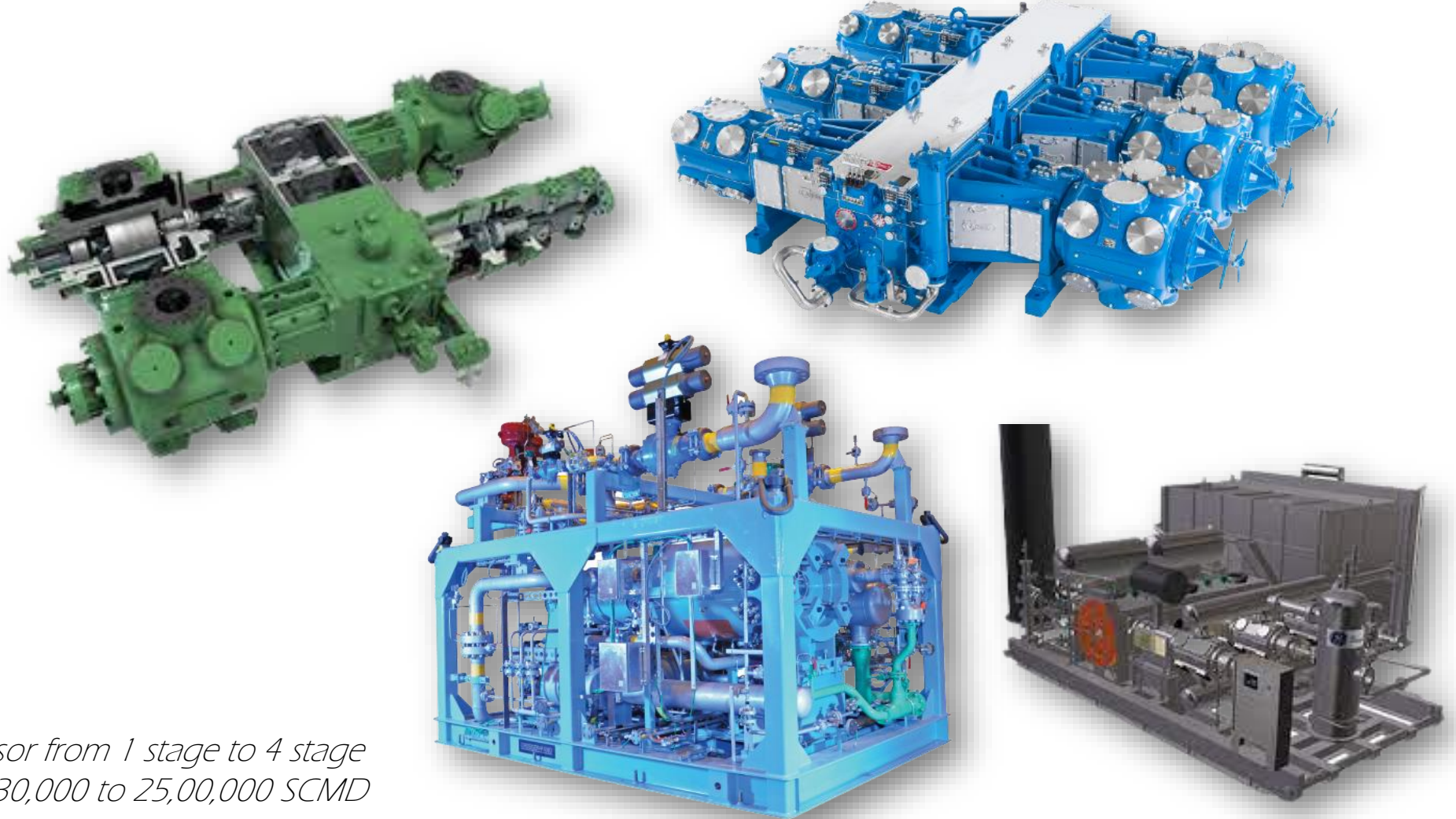
- ❖ GE WAUKESHA
- ❖ GE JENBACHER
- ❖ CATERPILLAR
- ❖ CUMMINS
- ❖ MWM



Range of capacity from 120KWe to 4300KWe Engines

GAS COMPRESSOR EXPERTS OF THE FOLLOWING BRANDS

- ❖ ARIEL
- ❖ GE GEMINI
- ❖ DRESSER RAND
- ❖ AJAX
- ❖ BPCL



*Reciprocating type compressor from 1 stage to 4 stage
at various capacity from 30,000 to 25,00,000 SCMD*

SERVICE CONTRACTS

- ❖ Customer: Megha Engineering & Industries Limited, Hyderabad
End User: Vedanta Limited, Rajasthan
- ❖ Description of Plant: Operation & Maintenance of 90 MMSCFD Gas Processing plant



SERVICE CONTRACTS



- ❖ Customer: Triveni Turbine Limited, Bangalore
- ❖ End User: ONGC Limited, Mumbai
- ❖ Plant Capacity: 2.0 MWe
- ❖ No. Of Units: 2Units
- ❖ Description of Plant: Gas Engine based Power Plant with CHP Solutions. (CHILLED WATER WITH THERMAX VAM) Comprehensive Maintenance Contract of Complete CHP Plant.



- ❖ Customer: M/s. Devi Engineering & Constructions Pvt Ltd
- ❖ End User: ONGC Limited, Rajah Mundry
- ❖ Plant Capacity: 1,20,000 M3/Day
- ❖ No. Of Units: 3 Units
- ❖ Description of Plant: GE Waukesha Gas Engine Drive ARIEL Gas Compression plant, the Suction Pressure: 1 to 3 Kg/cm²
- ❖ Discharge Pressure: 65Kg/Cm²
- ❖ Comprehensive Maintenance Contract of Complete Plant.

SERVICE CONTRACTS



- ❖ Customer: Heubach Colors Limited, Ankleshwar.
- ❖ Plant Capacity: 4.7 MWe
- ❖ No.Of Units: 5 Units
- ❖ Description of Plant: Gas Engine based Power Plant with CHP Plant Solutions. (Steam Generation with WHRB, Hot water Generation)
- ❖ Operation & Maintenance Contract Including Power Distribution.



- ❖ Customer: Atul Limited, Ankleshwar
- ❖ Plant Capacity: 5.6 MWe
- ❖ No. Of Units: 6 Units
- ❖ Description of Plant: Gas engine based Power Plant with CHP Solutions. (Steam Generation With WHRB) Operation & Maintenance Contract Including 66 KV Substation & Switch gear Equipment's.

SERVICE CONTRACTS



- ❖ Customer: Kirloskar Pneumatic Company Limited Plant
- ❖ Capacity: 25,00,000 SCMDGCS
- ❖ No. Of Units: 6Units
- ❖ Description of Plant: Gas Compressor Station with 6 Gas Engine Driven Gas Compressor and Other Auxiliaries including Fire Water System and Pneumatic Utilities Annual Operation & Maintenance Contract of Complete Gas Compression Station at Tadepalligudam, Andhra Pradesh C/OGITPL.



- ❖ Customer: M/S. Treveni Engineering and Industries Limited, HUDA-Gurugram
- ❖ Plant Capacity: 2x0.98 MWe Bio Gas Based Power Plant
- ❖ No. Of Units: MWM-TCG 2016 V1 6CUnits
- ❖ Description of Plant: MWM Biogas Engine Driven Power Plant operated under Haryana Urban Development Association, Gurugram
- ❖ Gas Scrubbing-sweetening with Power Generation and grid Synchronization.
- ❖ Comprehensive Maintenance Contract of Complete Plant.

OVERHAULS – 40 PLUS OVERHAULS COMPLETED



- ❖ Customer : Mother Dairy, Ahmadabad
- ❖ Major Overhauling of 4 X VHP59004 LTD GE WAUKESHA Gas Generators.

- ❖ Customer: OMNAVA SOLUTIONS INDIA PVT. LTD., ANKLESHWAR
- ❖ Top End Overhaul of 2 X VHP 5904LTD GE Waukesha Gas Generators

- ❖ Customer : Atul Limited., ANKLESHWAR
- ❖ Top End Overhaul of 2 X APG1000 GE Waukesha Gas Generators

- ❖ Customer: Kirloskar Pneumatic Company Limited, Pune
- ❖ Major Overhauling of 12VA27GL with Cameron Superior 6430 H

- ❖ Apcotex Industries Limited, Ankleshwar
- ❖ Major Overhauling of 5794 LTD Gas Generator Set

- ❖ Megha Engineering And Infrastructure Limited, Barmer
- ❖ Major Maintenance of Ariel JGK -4 and Waukesha7042 GL Gas engine compressor packages (04 Units)



OTHER SERVICES



- ❖ SUPPLY OF SPARES AND PROVIDED SERVICE SUPPORT TO M/S JOHN ENERGY FOR GAS ENGINE DRIVEN RECIPROCATING COMPRESSOR PACKAGE.- ARIEL
- ❖ CONVERSION OF FUEL ARBURETION SYSTEM FROM NATURAL GAS APPLICATION TO PRODUCER GAS APPLICATION. Customers : SATAKE , ANKUR
- ❖ TROUBLESHOOTING AND MAINTENANCE SERVICES TO M/SDEEPI INDUSTRIES LTD, AHMEDABAD OF THEIR VARIOUS SITES FOR GAS ENGINE DRIVEN COMPRESSOR PACKAGES – AJAX, ARIEL
- ❖ PROVIDED SERVICES TO AIR INDIA GAS COMPRESSION UNITS DRIVEN BY GE WAUKESHA GAS ENGINES. (OVERHAUL & BREAKDOWN.) – ARIEL
- ❖ PROVIDED TESTING & COMMISSIONING SERVICES TO M/s GTC OILFIELD FOR GE WAUKESHA ENGINE DRIVEN ARIEL GAS COMPRESSOR PACKAGE- 2 X
60000 M³/Day



Projects

EPC EXPERTISE



- ❖ ENGINE DRIVEN GAS & AIR COMPRESSOR SYSTEMS, INJECTION & TRANSFER PUMPING SYSTEMS
- ❖ GAS / DIESEL ENGINE AND STEAM TURBINE GENERATOR BASED POWER PLANT SYSTEMS WITH COMBINED HEAT & POWER (CHP) SOLUTIONS
- ❖ GAS CONDITIONING & FILTRATION SYSTEMS
- ❖ BIOMASS GASIFICATION SYSTEM
- ❖ BIOGAS DIGESTER & SCRUBBING SYSTEM.
- ❖ OIL, GAS & COAL FIRED BOILERS
- ❖ COOLING WATER SYSTEM – PUMPS, CONDENSERS, COOLING TOWERS & PHE'S
- ❖ HEATING, VENTILATION & AIR CONDITIONING (HVAC)
- ❖ THERMAL & ACOUSTIC INSULATION
- ❖ PIPELINES & STRUCTURAL STEELS

ONGC OFFICE GREEN BUILDING, BKC, MUMBAI



- ❖ ONGC OFFICE GREEN BUILDING, BKC, MUMBAI
- ❖ CUSTOMER: TRIVENI TURBINE LIMITED.
- ❖ END USER: M/S ONGC LIMITED.
- ❖ DESCRIPTION OF PROJECT: 2 X1 MWE, GAS GENERATOR & VAM BASED COMBINED HEAT & POWER PLANT.



BIOMASS POWER PLANT:



- ❖ CUSTOMER: M/S SATAKE INTERNATIONAL BANGKOK CO. LTD.
END USER: M/SAPLUS POWER
- ❖ DESCRIPTION OF PROJECT:
- ❖ 2.4MWE, GAS GENERATOR BASED POWER PLANT RUNNING WITH WOOD GASIFICATION SYSTEM OF IISC, BANGALORE TECHNOLOGY



STEAM TURBINE:



- ❖ STEAM TURBINE BASED 3.0 MWE, 11 KV CAPTIVE POWER PLANT
- ❖ CUSTOMER: M/STRIVENI TURBINE LIMITED
- ❖ END USER: M/S ALOK INDUSTRIES, VAPI, GUJARAT



ESSAR OIL LIMITED



- ❖ ESSAR OIL LIMITED, CBM BLOCK, DURGAPUR
- ❖ CUSTOMER: ESSAR OIL LIMITED
- ❖ END USER: ESSAR OIL LIMITED
- ❖ DESCRIPTION OF PROJECT: RE-LOCATION OF 2 X 1 MWE, GE JENBACHER JGS320 GAS GENERATOR POWER PLANT.

NADA ONGC GAS GATHERING STATION



- ❖ NADA ONGC GAS GATHERING STATION-
- ❖ GAS ENGINE BASED POWER PLANT – BOP SUPPLY, INSTALLATION, TESTING & COMMISSIONING.

BHEL HPVP



- ❖ BHEL HPVP- ONGC NAVAGAM, GUJARAT
- ❖ TESTING & COMMISSIONING OF DESALINATION PLANT HEATING SYSTEM



MEGHA ENGINEERING & INFRASTRUCTURE LTD



- ❖ MEGHA ENGINEERING & INFRASTRUCTURE LTD
- ❖ Testing & Commissioning Gas Processing Plant 90 MMSCFT at Rajeshwari Gas Terminal (RGT) Bridge Project , Vedanta Limited.

PROJECTS UNDER EXECUTION



- ❖ Nigerian AGIP Oil Company – ENI Testing & Commissioning of Ebocha Oil Center Revamping Phase-2 Project.
- ❖ Kirloskar Pneumatics Company- GITL Installation Testing & Commissioning of Gas compressor station – 6 X 6.25L SCMD.



PROJECTS UNDER EXECUTION



- ❖ Kirloskar Pneumatics Company- ONGC, Ankleshwar Gas compressor station – 3 X 2.5L SCMD
- ❖ Raub Energy Ventures SDN BHD- Malaysia Biomass Gas Power Generation plant - 5MWe.
- ❖ GMMCO– AMAZON Project Diesel Engine Power Generation plant - 14.4MWe.



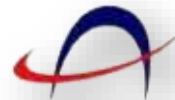
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Thank you