



# Matrix TurboGen

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Complete Solution to your Gas and Steam Turbine needs.



Matrix TurboGen Pte Ltd bring Power to Customers through integrating expertise and depth of knowledge of Parts and Service providers in field of Gas Turbine and Steam Turbine power plants to meet customer's ever-growing demands.

Matrix TurboGen is started by people having decades of experience in engineering, manufacturing, installation & commissioning and customer support in the Rotating Machines industry, with the sole aim of benefitting the customer with Reliable, Efficient and Economic solutions.

Gas turbines are our core strength. Our team of engineering professionals has the specialized expertise and depth of knowledge of gas turbines to meet the demands of our customers.

Matrix TurboGen offers specialized products and services that are tailored to our customers' needs and designed to meet their objectives and challenges.

Our specialized solutions are born out of expertise and ranges widely from expert technical advice for upgrading gas turbines, steam turbines and generators to O&M, retrofitting and relocating entire power plants.



## Operation and Maintenance



All power plants are not alike. Each plant has its own special needs and challenges. We at Matrix TurboGen understand this and bring Reliability, Efficiency and Economy to address your Operation & Maintenance activities.

We are not simply in the business of selling service – we sell solutions with a wide range of innovative approaches designed to make your power plant more productive and profitable. We can assist customers with:

- Total Maintenance Planning
- Inventory Management
- Lean Outage Management
- Technical Direction or Turnkey maintenance
- Condition Based Maintenance
- Operation & maintenance service



## Components & Spare Parts



### Engineered to Suit

Engineers at Matrix TurboGen built a solid reputation in the power generation industry. Combining this engineering excellence, Matrix TurboGen offers enhanced aftermarket parts service to our customers by supplying genuine parts matching OEM's quality and standards.

With our associates manufacture various parts for Fr 5, Fr 6, Fr 9E and Fr 9FA turbines

- Compressor and turbine casings
- Exhaust frame, diffuser and plenums
- Buckets, Nozzles and Shrouds
- Combustion Chambers, Vanes and Blades



While every repair processes focus on lifetime extension, some parts must be replaced in order to restore your equipment and optimize performance to the

### High quality

We supply gas turbine components for many different makes and models. In most cases we provide a more cost-efficient and faster alternative to the OEM. Our commitment to high quality and fast turnaround ensures your unit goes back into operation with reliable performance and high availability.

We supply components in both the hot and cold sections including blades, vanes, liner, and hot-gas casings. We have the capability to incorporate

Matrix Turbogen can assist customers in conducting plant assessments and audits to improve the performance and output of the gas turbine thru various modifications and upgrades including Heat Rate Improvements and Fuel Conversions or Replacements.



#### **Field Maintenance**

We have team of experienced gas turbine, steam turbine & compressor field engineers, technical advisors to undertake and deliver both on-site and remote engineering services. These services can be coupled with customized spares packages and tooling kits for regular Combustion, Hot Gas Path and Major



#### **Repair and Retrofitting:**

In association with our qualified partner repair shops, we offer component repair and refurbishment to make your equipment more reliable. Turbine components are refurbished by a number of metallurgical processes that restore the component's metallurgical and dimensional



#### **Maintenance Contracts / LTSA:**

Performance-based long-term service agreements (LTSA) offer reliable plant maintenance solutions to help you manage the through-life costs of your rotating equipment. Beside Reside Engineers, we offer routine, planned and breakdown maintenance operations



#### **Dismantling and Relocations:**

We are well equipped and experienced in relocating installed turbo machinery equipment. This is usually done in conjunction with a plant sale that includes dismantling, transportation, engineering, installation and commissioning of the plant at new location. We



#### **Training and Capacity Building:**

We love to share our knowledge by offering various training courses at our premises or at customer's facilities. Programs are designed in line with client's special requirements. Our trainers having hands on experience of engineering and site services impart



A reliable partner for your all Turbine needs.

**Matrix TurboGen Pte. Ltd.**

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