

Sustainable Energy from Waste – Paper Mill in Germany

With more than 60 years of expertise in the steam turbine market, Triveni's robust, reliable and efficient turbine solutions have helped earn a promising customer, an International supplier of paper in Germany.

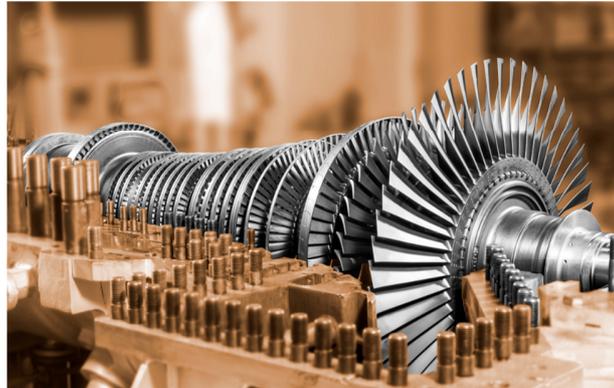
Triveni supplied the steam turbine generator unit and other equipments to the Paper Mill in Germany. It generates energy to power the neighbouring communities by processing 3,00,000 tons of waste produced each year.

Read the case study on how Triveni's steam turbine has helped the paper mill to generate the required heat and electricity by its own power plant that runs on refuse-derived fuel (RDF).



Paper production consumes a lot of energy, in order to meet the plant's demand refuse-derived fuel (RDF) power plant was established. For more than a decade, the thermal energy required for paper drying has been supplied by the RDF run plant. Refuse-derived fuel is procured locally which helped reduce the transport costs and CO2 emissions.

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| Industry | - Paper |
| Customer type | - Utility |
| Application | - Power generation |
| Location of installation | - Germany |
| Fuel | - Refuse-derived fuel (RDF) |
| Triveni's scope of work | - 15.6 MW steam turbine and auxiliaries |



15.6 MW Turbine during mechanical steam run test at the shopfloor

Triveni Collaboration

Triveni organised facility visit to the customers and demonstrated references of steam turbines which are seamlessly suitable for their application. Our team presented the references of turbines supplied and installed in the European regions. Contented with the results, we were awarded with the contract to manufacture state-of-the-art steam turbine for this prestigious customer.

Benefits of Triveni Steam Turbines

- District heating pipeline to the outdoor swimming pool in nearby area. Excess heat from the paper drying is fed through a district heating pipeline to heat the municipal outdoor swimming pool. This saves considerable amounts of gas and the outdoor swimming pool can open 4 weeks earlier and stay open for 4 weeks longer.
- Approximately 850,000 tons of steam is required annually by the paper mill and a certain percent of this is generated by incinerating waste.

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