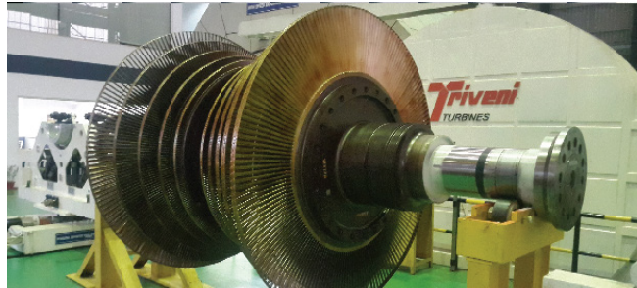


# LP Rotor Repair

## INTRODUCTION

The customer is an IPP from Southern Africa, generating over **500 MW** of power. It was operating a Turbine Generator Set which was commissioned in **1956**. Post overhauling, a new rotor was replaced in the Turbine. The blades of one row of this rotor broke within 2 weeks of operation. This also led to vibration and damage to the adjacent rows.



## CHALLENGE

The challenge was to study the reasons of such failure and **redesign the blades** to ensure that this does not recur. Triveni Turbines was given a deadline of 3 months to complete the project.



## SOLUTION

The blade design was studied in detail to identify the reasons for the breakage and subsequently necessary design changes were made to ensure that the same does not recur.

The rotor has now been put into operation and is operating trouble free.



## CUSTOMER SPEAK

We weren't getting the service we wanted in South Africa. We ship our turbine to Triveni REFUB as they provide fantastic service, get the work done on time and provide good quality. The process is very well managed.



SCAN FOR  
ENQUIRY



VISIT  
WEBSITE



## Global Network

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