

# Value Engineering of Damaged Blade Profiles

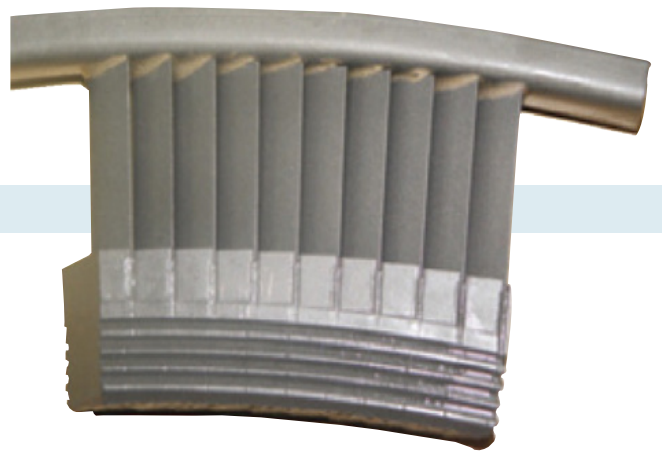
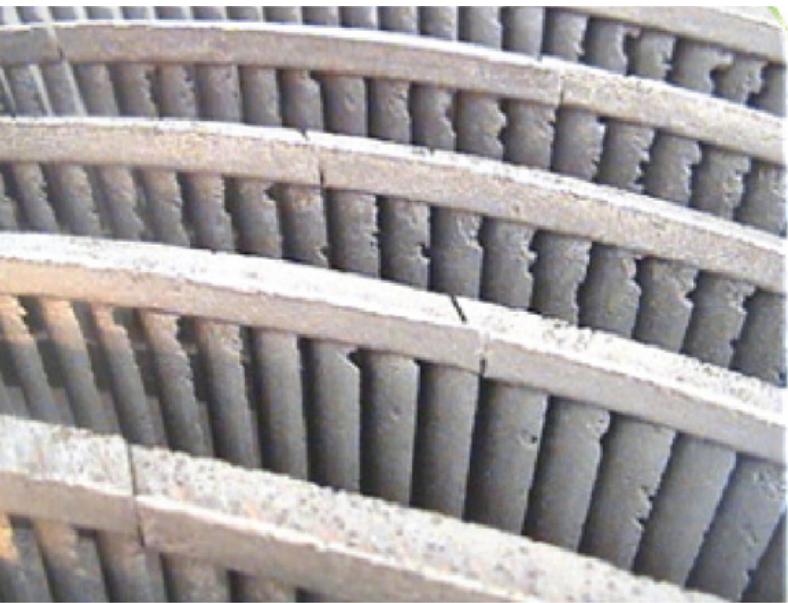
## INTRODUCTION

The customer is a large player in the **steel and process PCG space** in India.

They imported an old plant manufactured in the year **1940** from **Germany** and wanted to put back the same in operating condition.

## CHALLENGE

The challenge was to recreate the blade profiles and the blade packets. 10 blades made one packet and every 3rd blade had a profile angle change which had to be incorporated. Further, the original packet was brazed with gold and silver which was an expensive option to recreate.



## SOLUTION

Triveni Turbines took up the challenge and created a new methodology to **weld the blade** packets together and all necessary tests and validations were done to rule out the future possibilities of problems during operations the turbine was put back to operation successfully.

## CUSTOMER SPEAK

"Triveni Turbines is a good engineering company in India capable to standing up with global players and we are glad that we took the decision of doing this project with Triveni Turbines." The entire turbine was made operational in 9 months & has been operational for the past 5 years

*Embracing cultures. Enhancing the future*

 /TriveniRefurb

 /triveni-refurb

SCAN FOR  
ENQUIRY



VISIT  
WEBSITE



## Global Network

### INDIA

SALES, SERVICE AND  
MANUFACTURING FACILITY

Triveni Turbine Limited

12-A, Peenya Industrial Area,  
Bengaluru-560 058,  
Karnataka, India.  
Phone: +91 80 22164000  
Fax : +91 80 22164100

SALES, SERVICE AND  
MANUFACTURING FACILITY

Triveni Turbine Limited

Plot No.491, Sompura  
2nd Stage, KIADB Sompura  
Industrial Area  
Nelamangala Taluk,  
Bengaluru Rural - 562 123

### THAILAND

MARKETING AND  
SERVICE OFFICE

Triveni Turbines DMCC

571 RSU Tower, Unit 903,  
9th Floor, Sukhumvit  
31 Road, Klong Ton Nua,  
Wattana, Bangkok 10110,  
Thailand  
Phone: +66 2 117 9575,  
Fax : +66 2 662 3416

### INDONESIA

MARKETING AND  
SERVICE OFFICE

Triveni Turbines DMCC

Suite No. 56, 23rd Floor,  
ANZ Tower, Jl. Jend.  
Sudirman, Jakarta  
Pusat - 10220, Indonesia  
Phone : +62-21-29546888  
Fax : +62-21-29546889

### UAE

SALES AND  
SERVICE OFFICE

Triveni Turbines DMCC

4502-14 & 4502-15,  
45th Floor, Al Mazaya Business  
Avenue - Tower BB2,  
Jumeirah Lake Towers,  
Dubai, United Arab Emirates,  
P.O. Box 393509  
Phone: +971-4 5670752  
Fax : +971-4432 8232

Email: [customercare@triveniturbines.com](mailto:customercare@triveniturbines.com)

### SOUTH AFRICA

MARKETING AND  
SERVICE OFFICE

Triveni Turbines Africa (Pty) Ltd.

AMR Building,  
3 Concorde East Road,  
Bedfordview, 2007,  
South Africa  
Phone: +27 10 007 5245 / 5246