Steam Turbine & Generators

Blading & Rotor Repair

Presenters: Christian Petratschek, Joscha Reiter, Norman Wittig

14th September 2023 | STG Customer Days @ NBG



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Blading & Rotor Repair

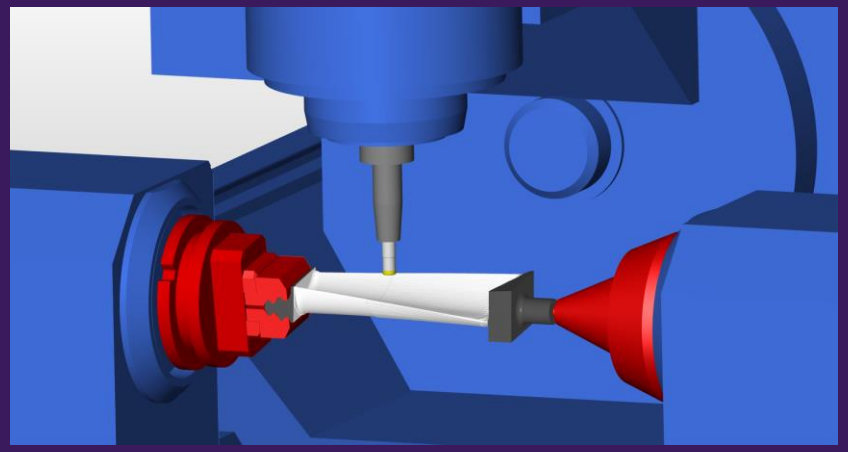
NBG Facility in a Glance

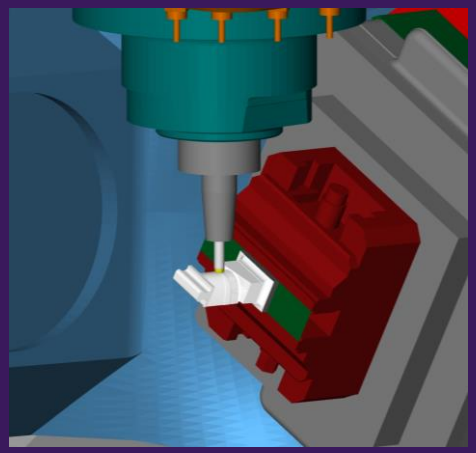
30,000	Average no. of blades manufactured per year
8	No. of blade manufacturing machines exclusively
>40	Experienced team members for blading
3 shifts	3 shifts operation across 24 hours

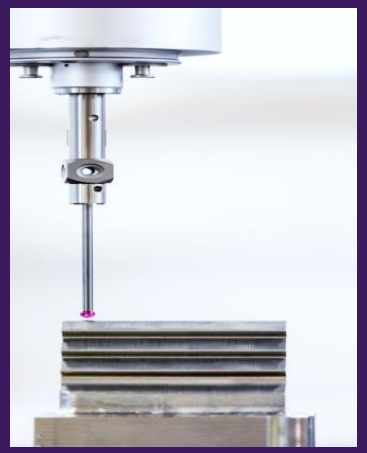


Blading & Rotor Repair

NBG Blade Manufacturing Center







Your trusted partner in times of need!

Over 65 years of experience in manufacturing a vast variety of steam turbine blades. We cover both manufacturing and installation of all existing steam turbine blade designs.

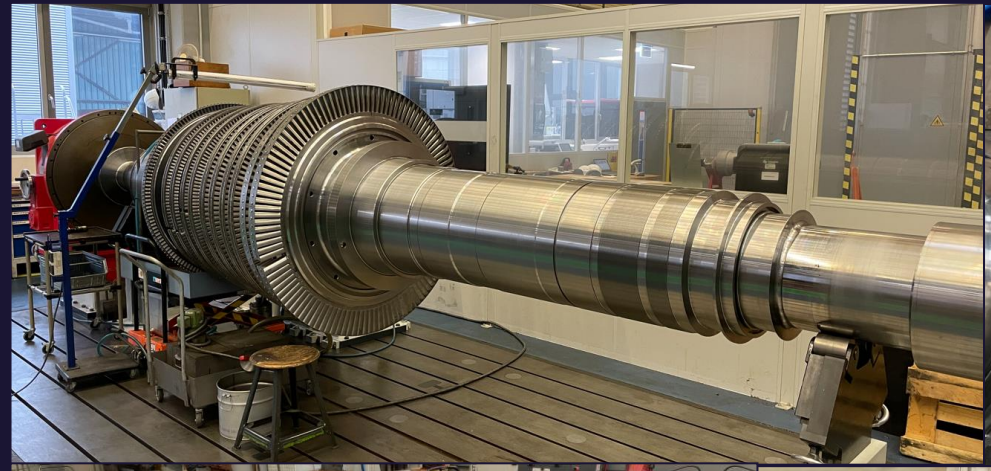
Customer benefits,

- Locally available technical know-how
- Availability of full OEM-Documentation
- Steam path (re-)calculation for optimized efficiency including those required for Fast Lane Repair & replacement solutions
- On stock availability of all relevant basic blade materials – for quick customer response – ensuring shortest possible delivery time.

Blading & Rotor Repair

We cover steam turbines with vast variety of complex blading designs

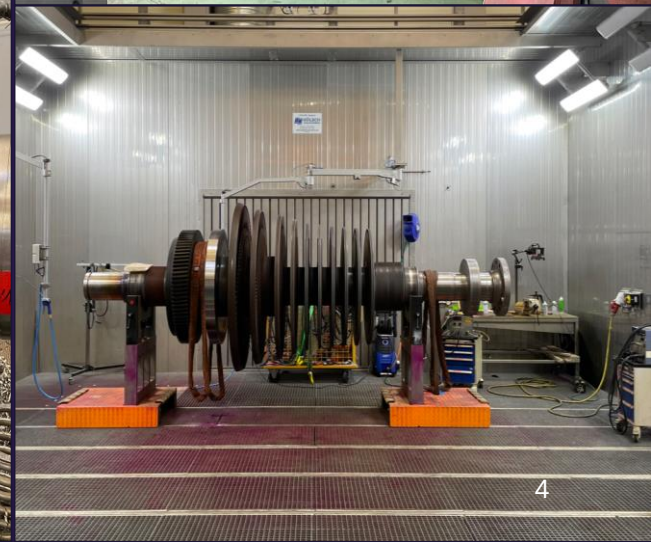
Our service offerings include Fact Finding, Rotor Repair, Blade Manufacturing, Blade installation, Testing and much more!







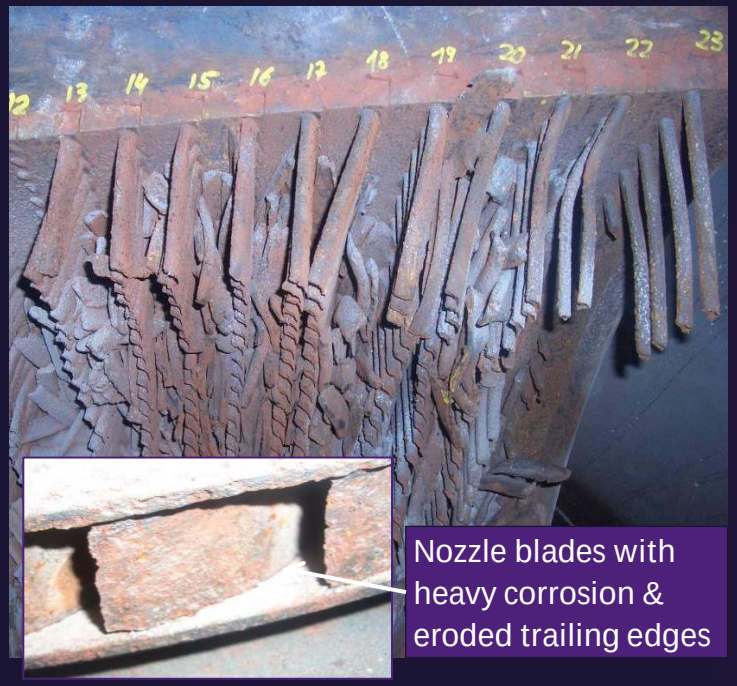




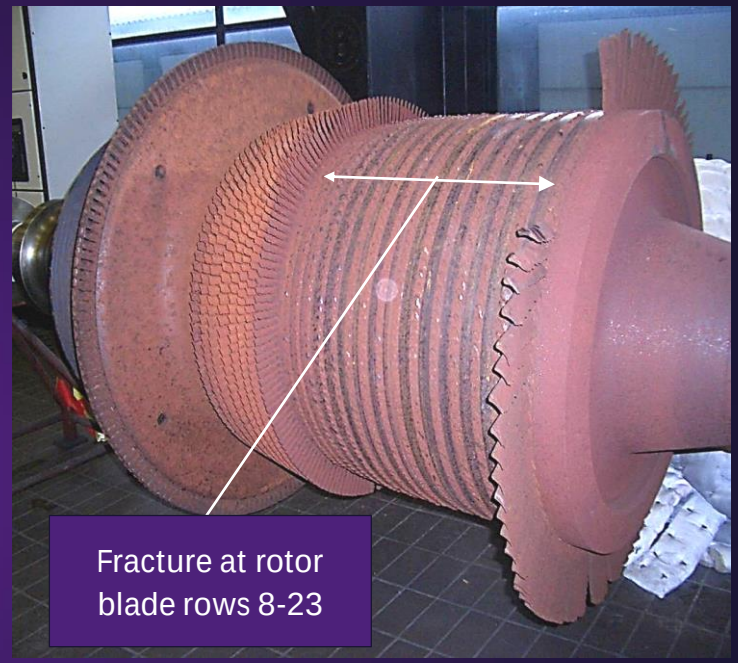
Blade Repairs

Your trusted partner in times of need!

For bringing back severely damaged turbines to operation with improved efficiency.







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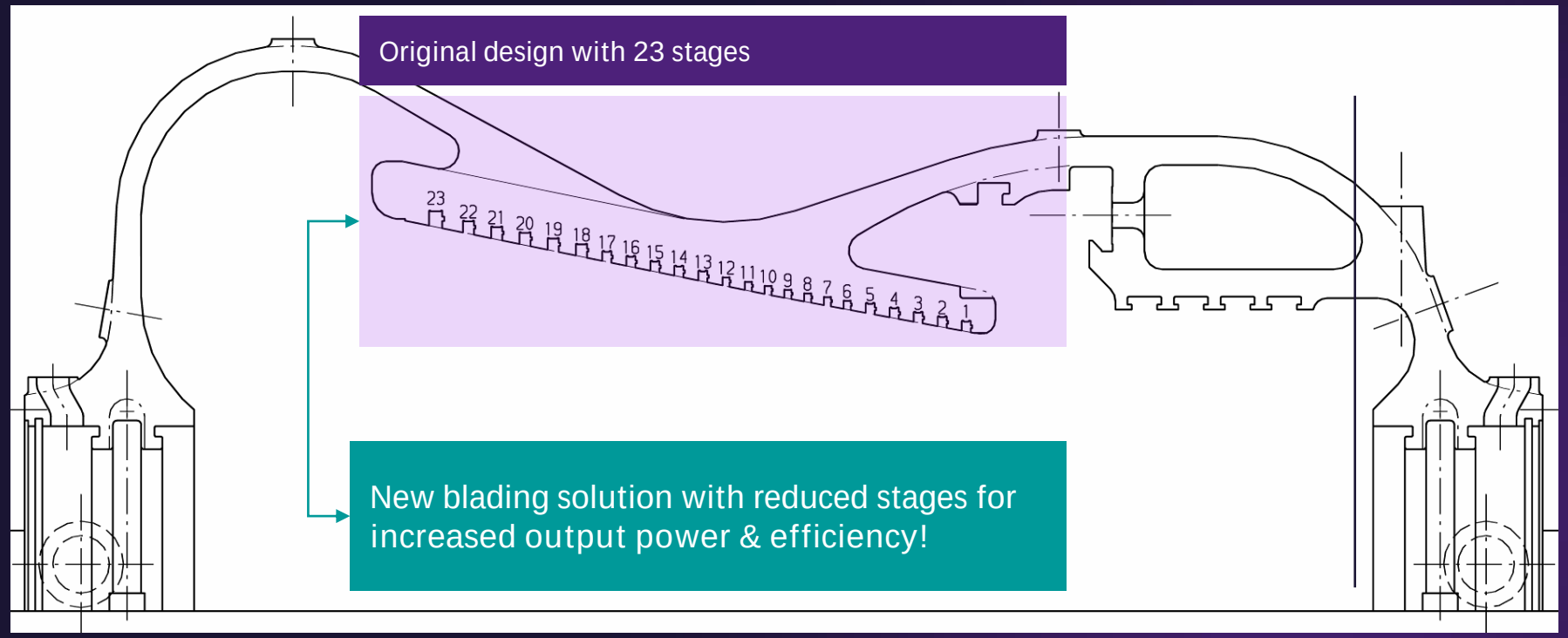
Blading & Rotor Repair

Blade Modernizations

Your trusted partner in times of need!

Upgrading only what's needed whilst reusing the existing rotor and casing.

Before Modification:



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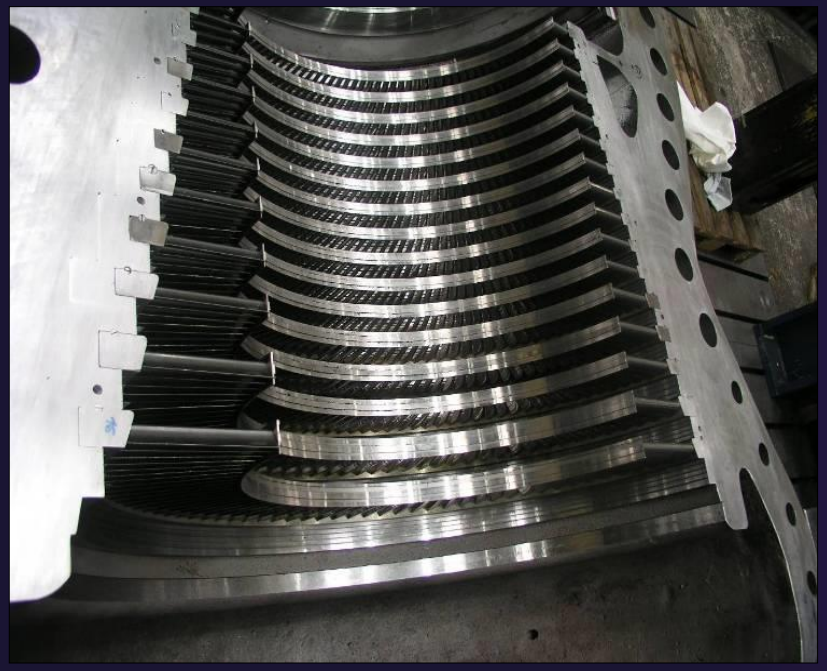
Blading & Rotor Repair

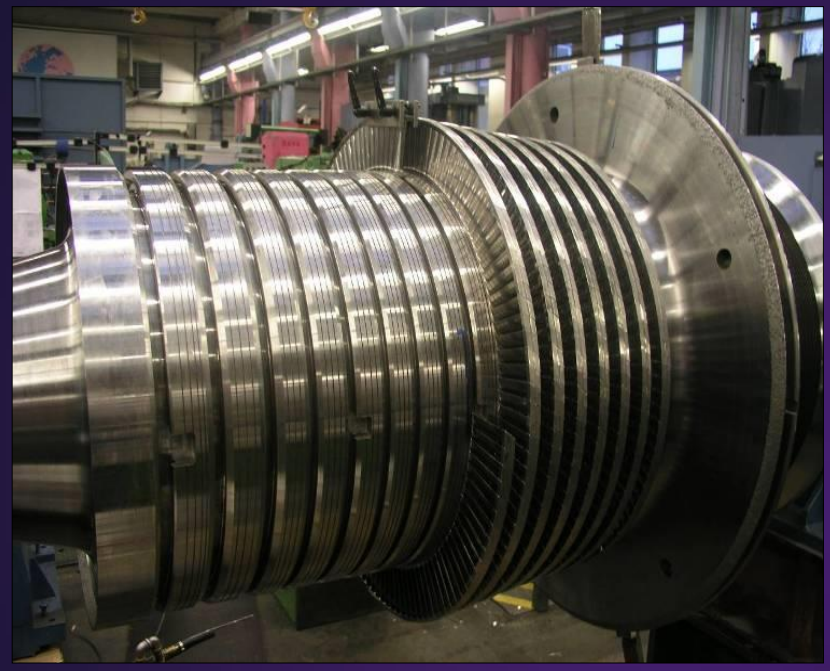
Blade Modernizations

Your trusted partner in times of need!

Upgrading only what's needed whilst reusing the existing rotor and casing.

After Modification:





Customer Benefits:

- Significantly improved efficiency
- State of the art design with increased reliability & availability
- Cost and delivery time savings from shorter outage period compared to installation of new machinery
- Use of existing equipment

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Live Presentation

Laser Cladding Center (LCC)



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