



ASC

«Arassa Söwda we Gurluşyk»
Hususy Kärhanasy

CRYONOMIC®

APPLICATIONS IN POWER GENERATION

ASG is official exclusive distributor of Artimpex - the biggest developer and manufacturer of CRYONOMIC® equipment in Europe.

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Dry ice blasting is an efficient and environmentally friendly cleaning technique that makes use of dry ice pellets.

Dry ice sublimates directly from solid back to gas. The dry ice pellets expand to carbon dioxide gas on impact. Due to this expansion the

contaminant is lifted and separated from the base material.

The CRYONOMIC® COB is a single hose dry ice blaster which unique concept results in:

- › low air consumption
- › powerful cleaning performance
- › ergonomic design: light and easy manipulation
- › best price/performance ratio on the market
- › focalized cleaning



BLASTING WITH ONLY DRY ICE

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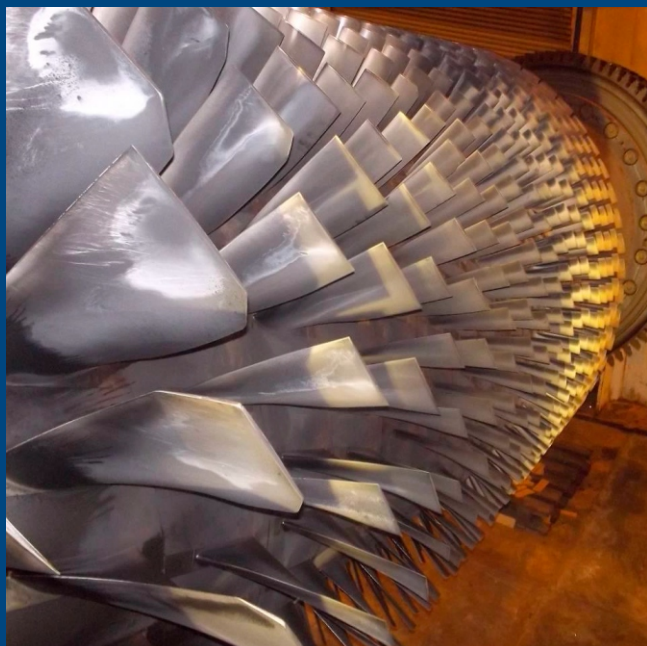
Blasting media = dry ice
dissapears 100% (sublimates to gas)



CRYONOMIC
DRY ICE CLEANING SOLUTIONS

COMBINED CYCLE POWER PLANT (CCPP)

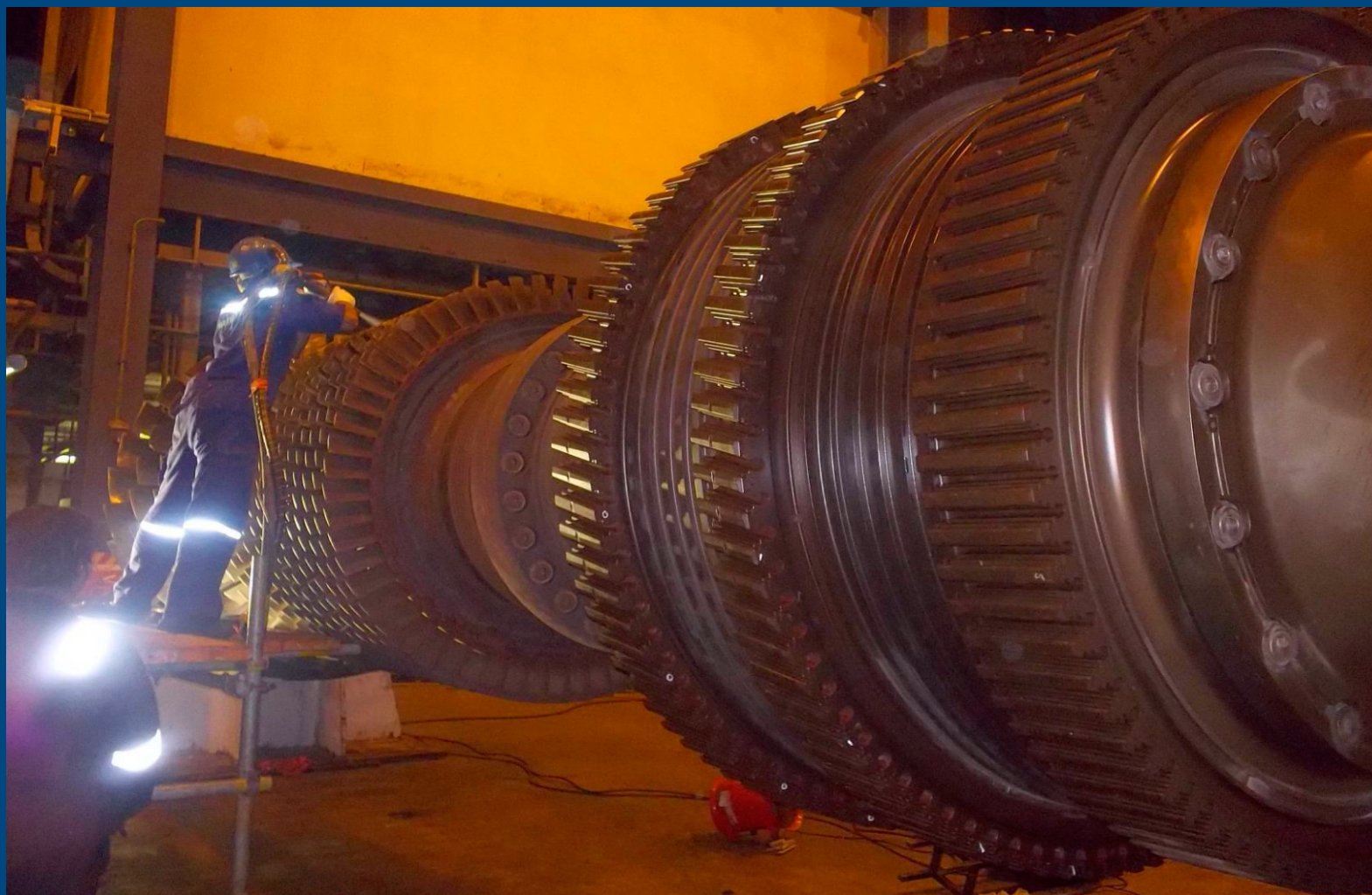
GE 9FA GAS TURBINE ROTOR



COMBINED CYCLE POWER PLANT

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GE 9FA GAS TURBINE ROTOR



COMBINED CYCLE POWER PLANT (BLOCK2)

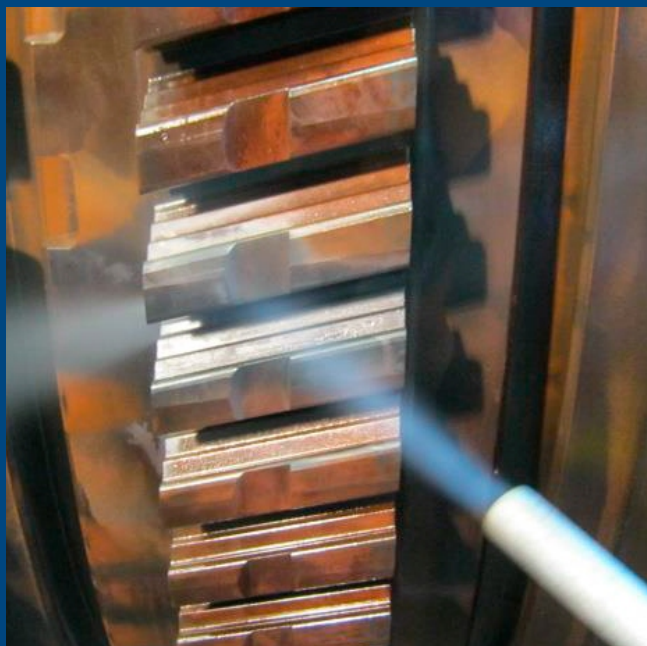
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GAS TURBINE CASING



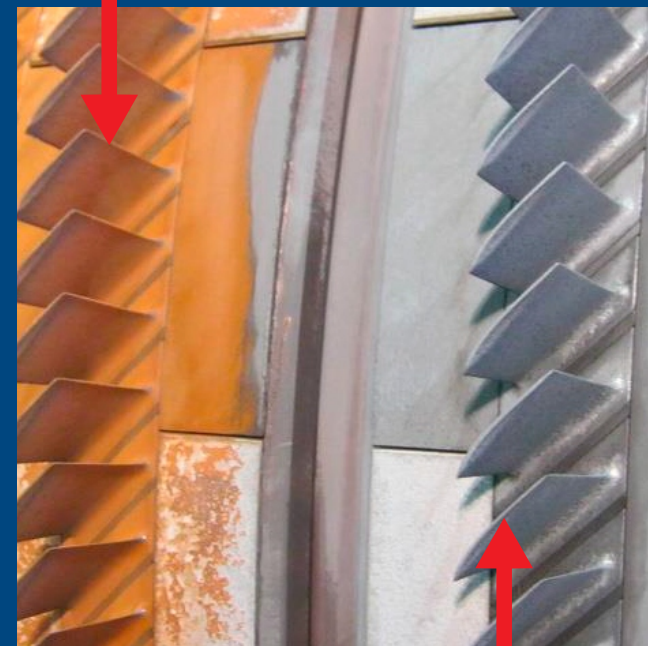
GAS TURBINE ROTOR GT26

BEFORE



AFTER

BEFORE



AFTER

GAS TURBINE ROTOR GT26

BEFORE



AFTER

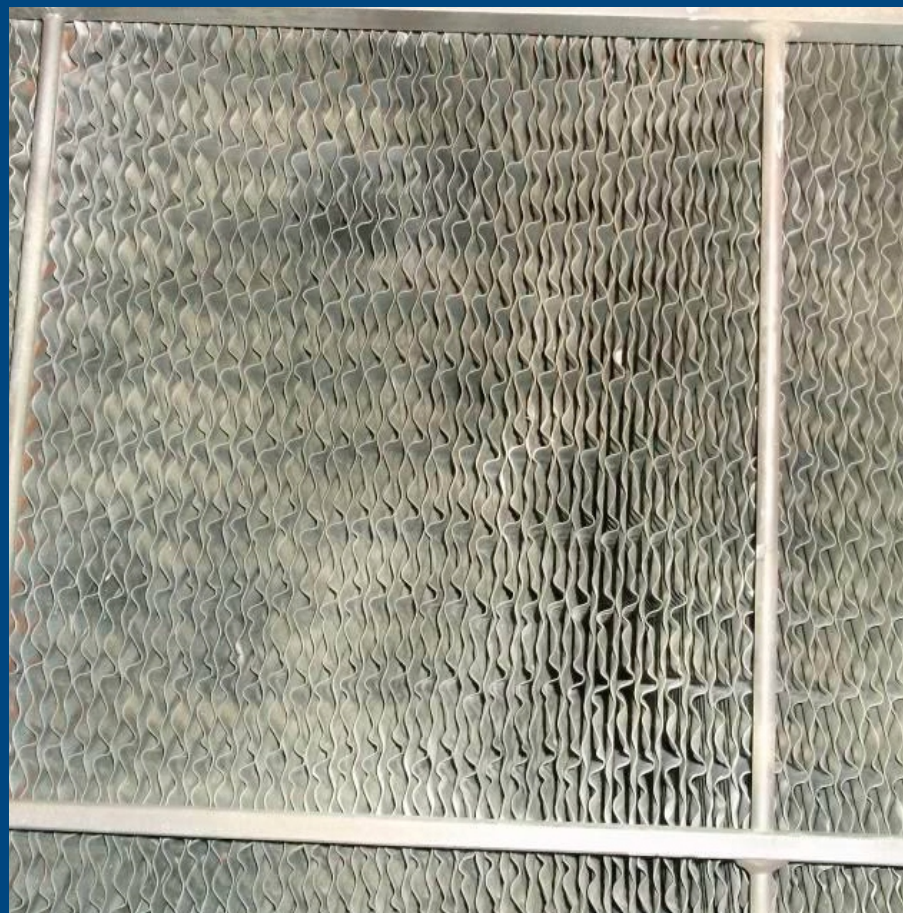


BOILER AIR HEATER

BEFORE



AFTER

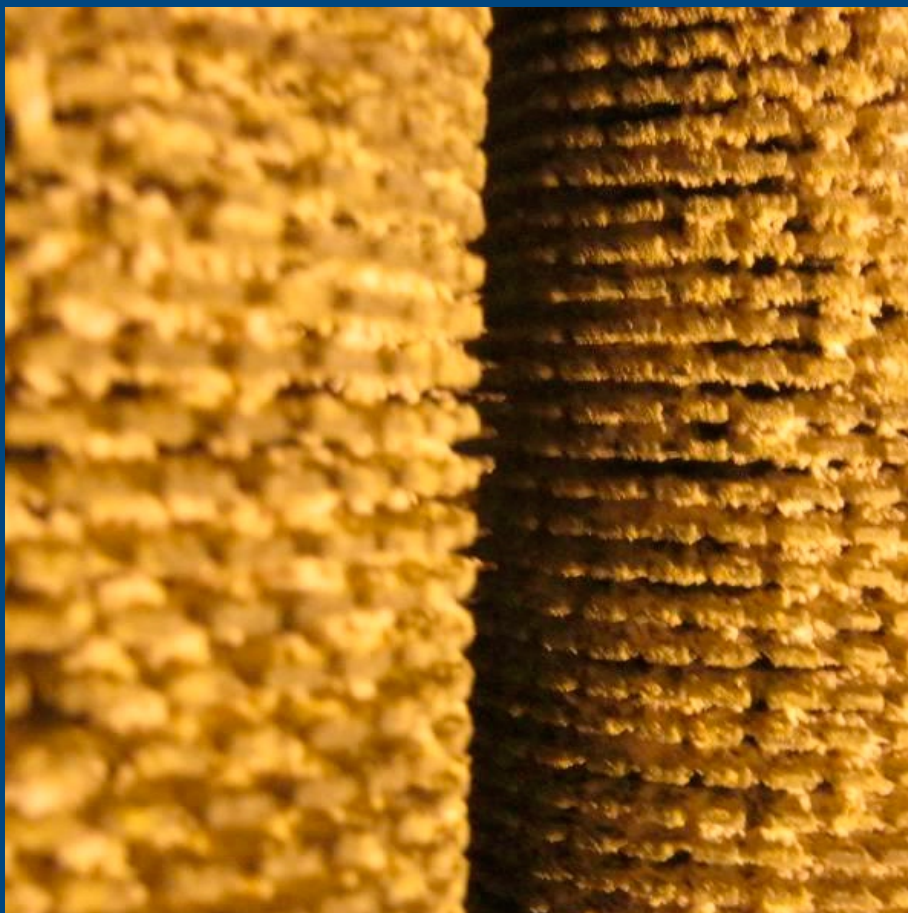


BOILER AIR HEATER

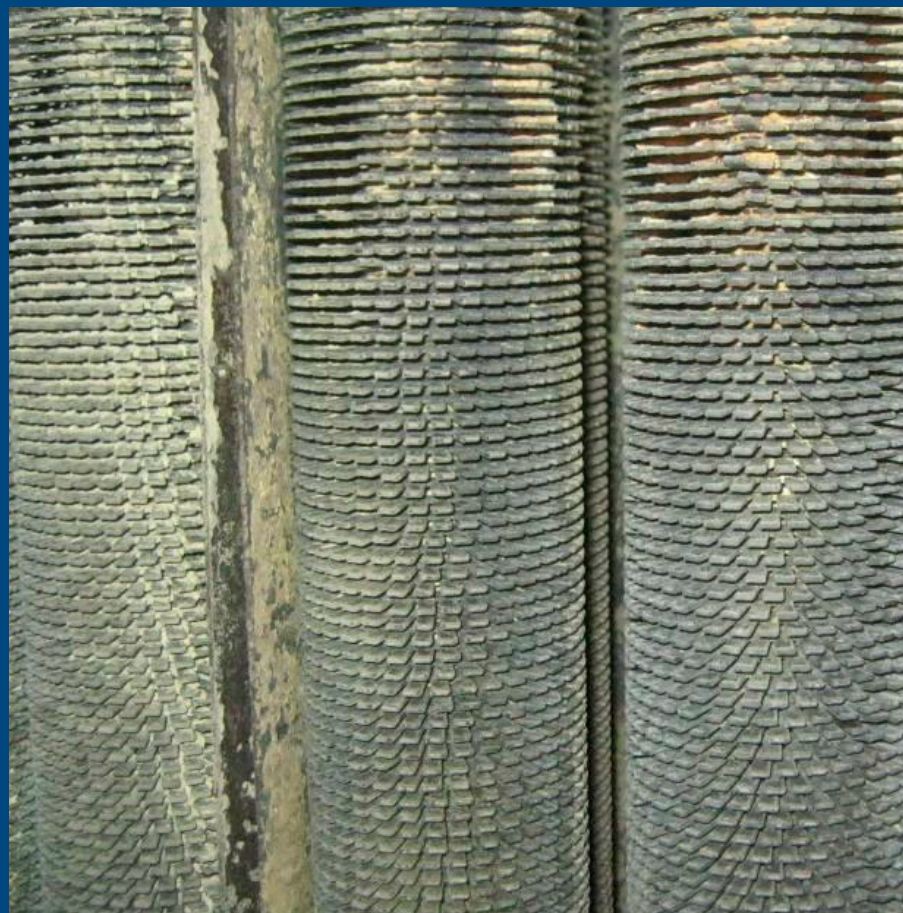


HRSG Fin Tube

BEFORE

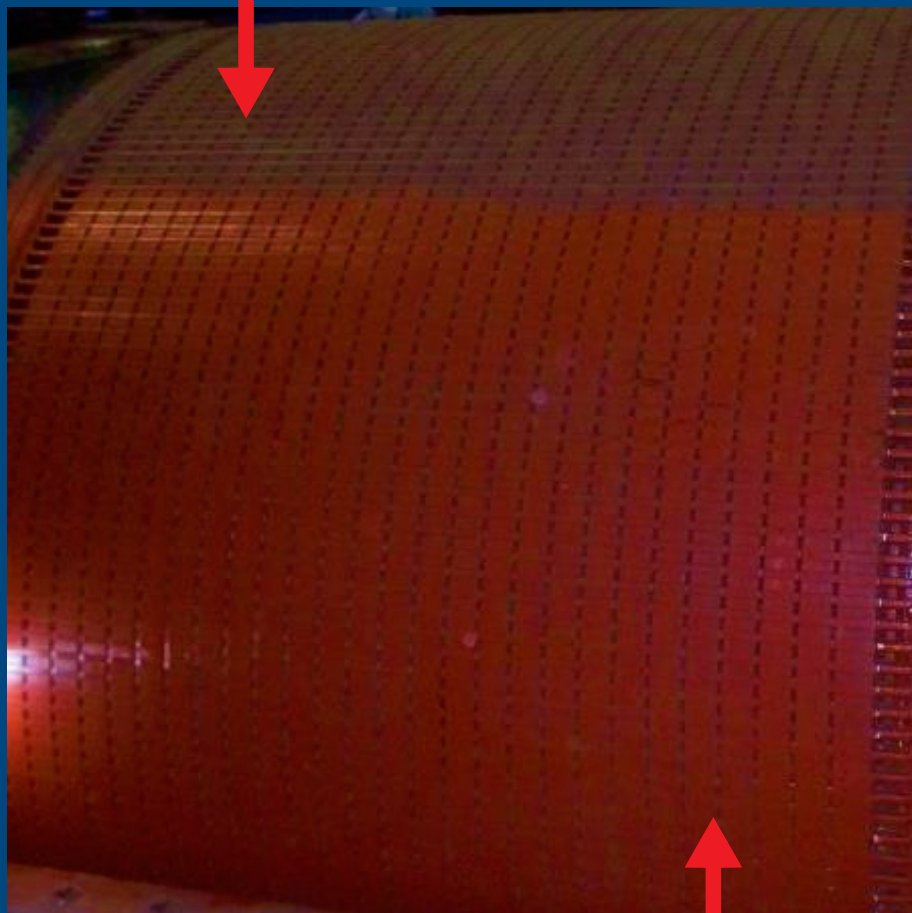


AFTER



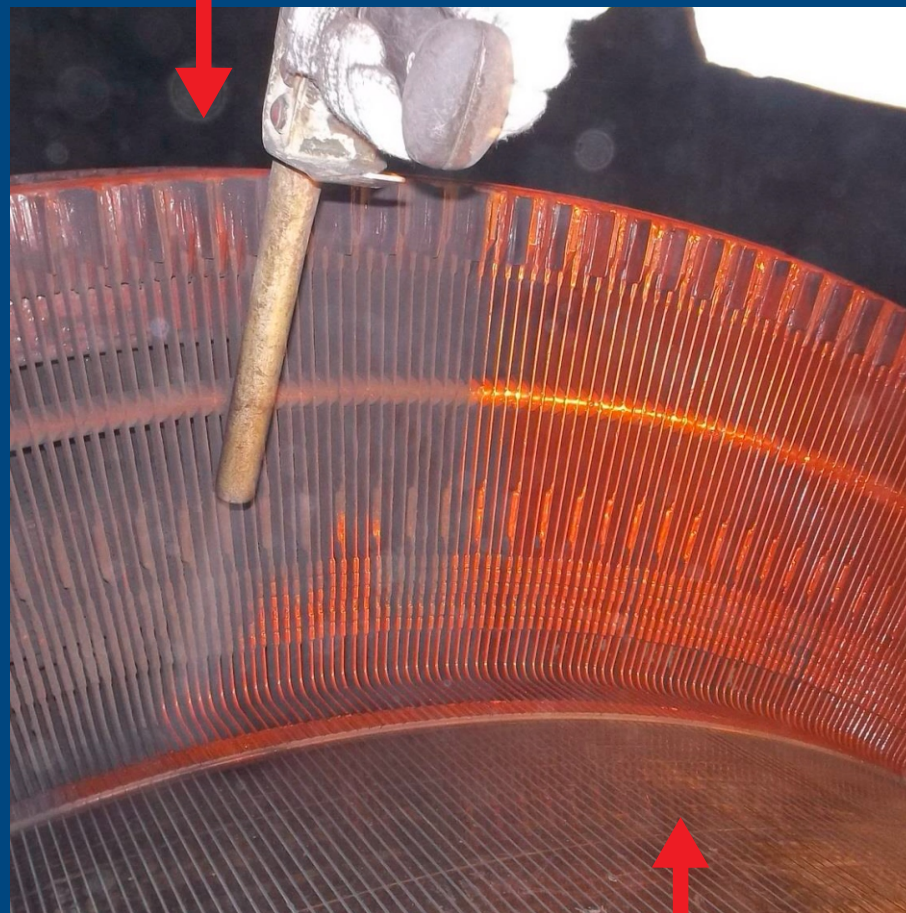
MOTOR

BEFORE



AFTER

BEFORE



AFTER

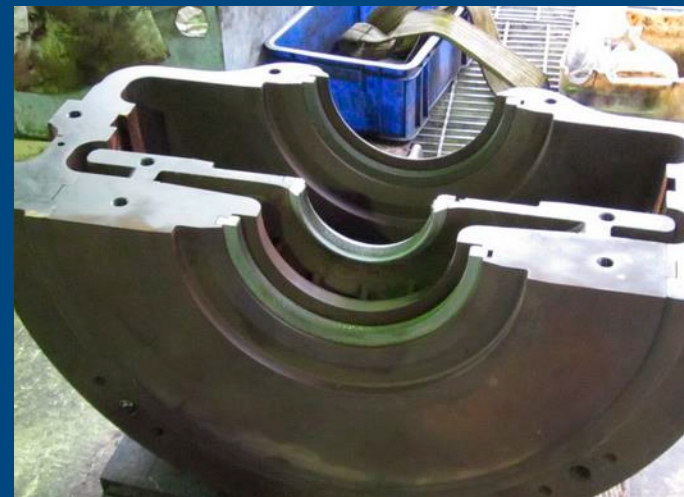
GAS COMPRESSOR

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BEFORE



AFTER



OIL COOLER

BEFORE



AFTER

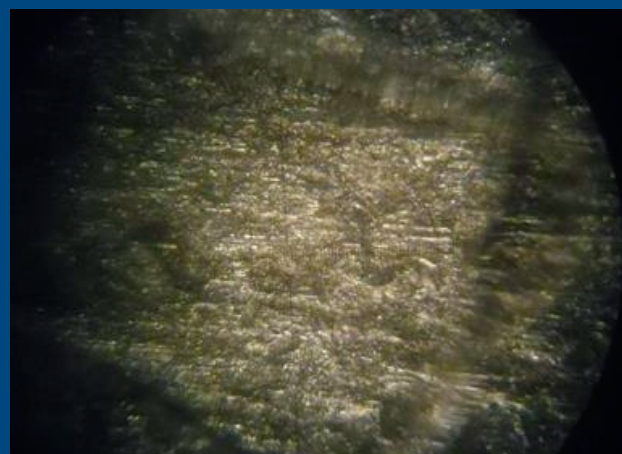
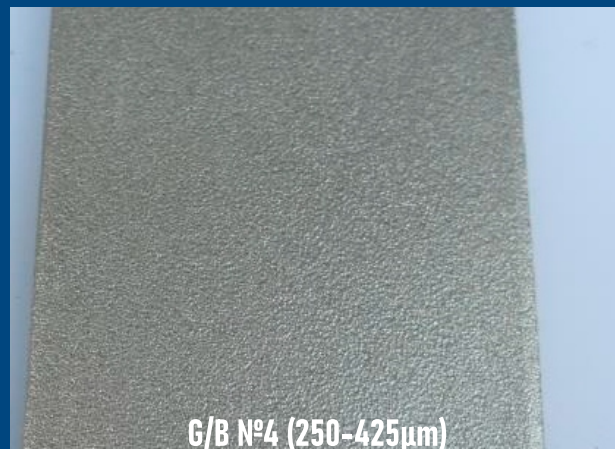
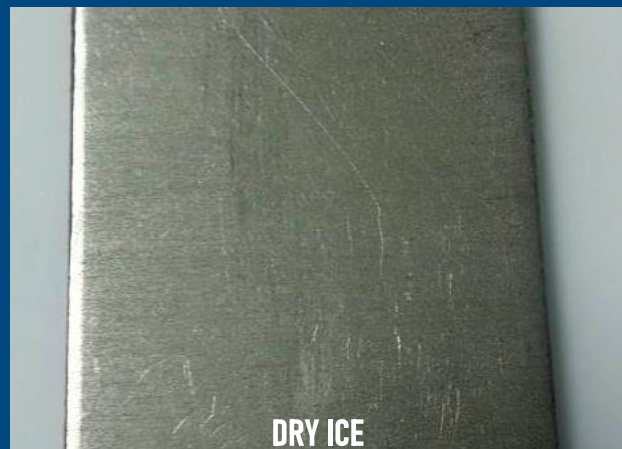
BLASTING WITH ONLY DRY ICE + GLASS BEAD

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Blasting media:
dry ice + minimal glass bead
5% less waste as traditional



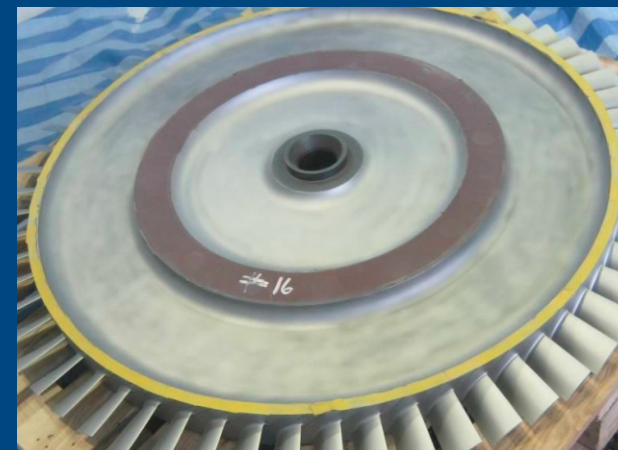
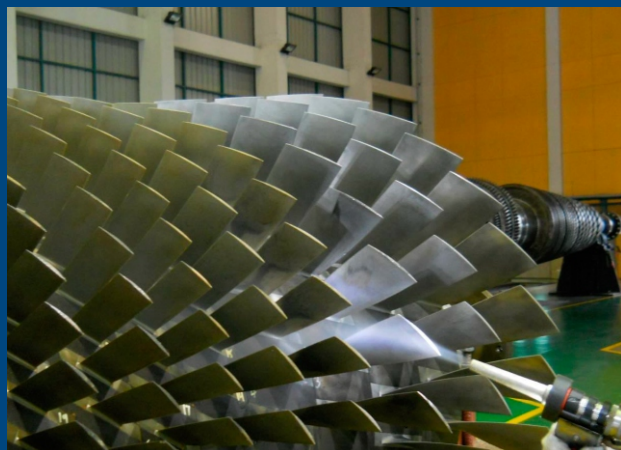
SURFACE PROFILE AFTERBLASTING



GE6B GAS TURBINE ROTOR

BEFORE

AFTER



BEFORE

AFTER



BEFORE

TURBINE LUBE OIL TANK PAINT REMOVAL

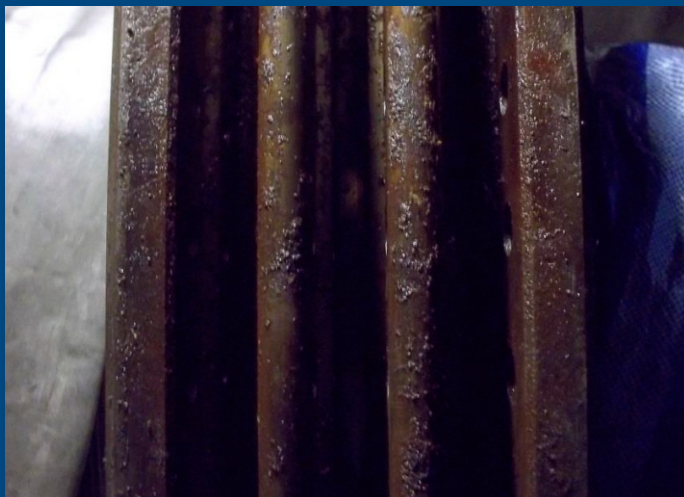
BEFORE



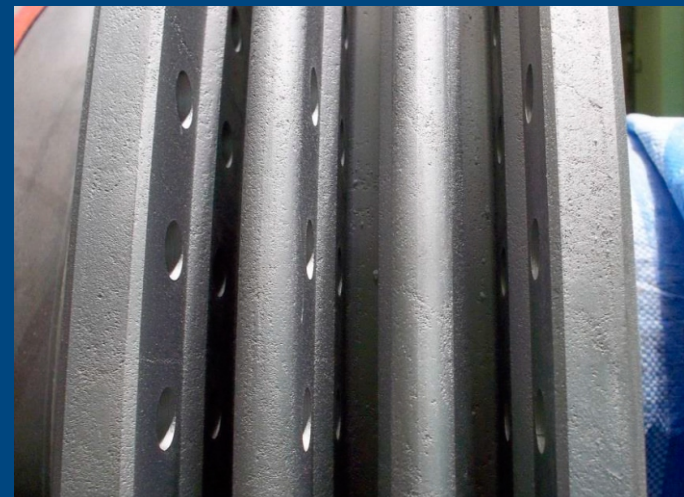
AFTER

STEAM TURBINE

BEFORE



AFTER



COMBINED CYCLE POWER PLANT

COPPER COIL-GENERATOR



BEFORE



AFTER



STEAM TURBINE DISC

BEFORE



AFTER



BFP TURBINE

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STEAM TURBINE

BEFORE



AFTER

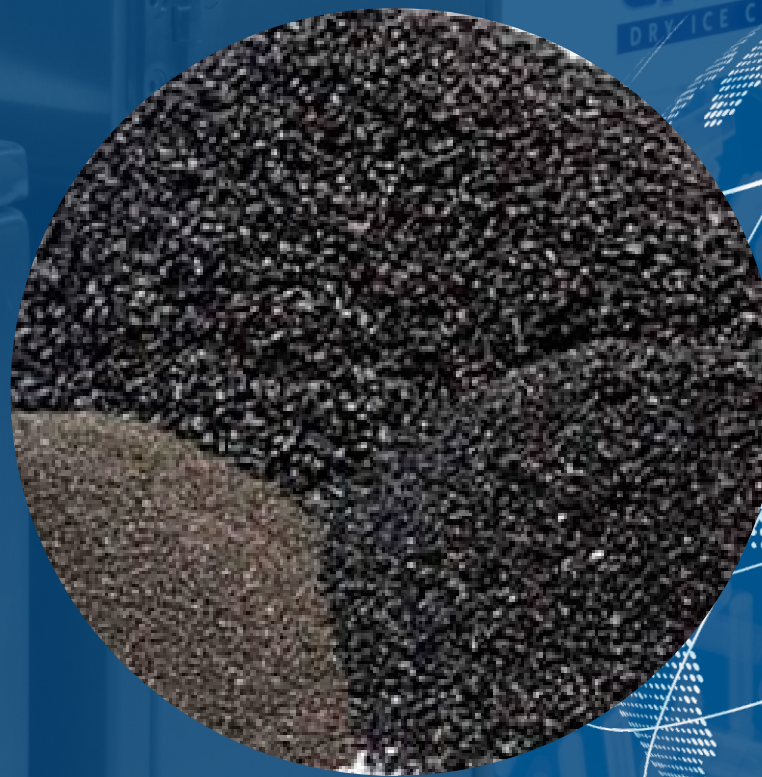


PROFILE MEASURING DEVICE OF THE
WORK SURFACE AFTER SPRAYING

BLASTING WITH ONLY DRY ICE + ALUMINIUM OXIDE

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Blasting media:
dry ice + minimal aluminium oxide
5% less waste as traditional



STEAM TURBINE ACCESORY

BEFORE



AFTER



STEAM TURBINE ACCESORY

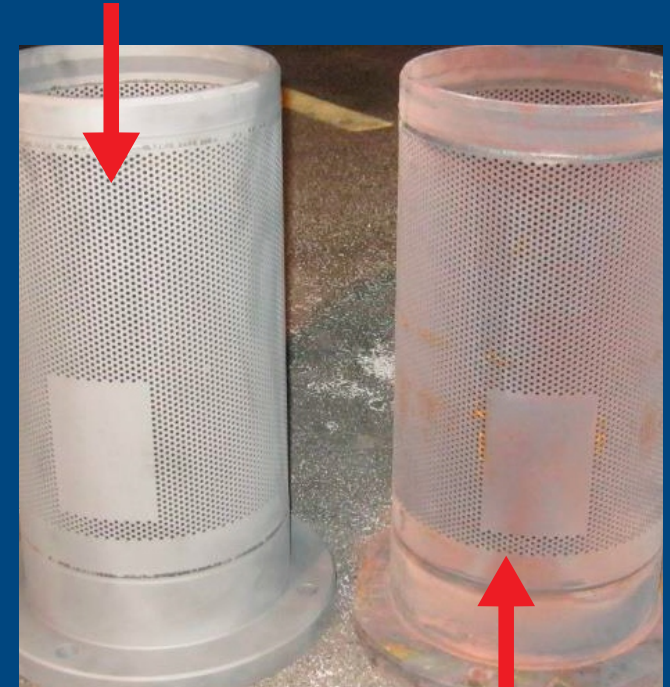
BEFORE



AFTER



BEFORE



AFTER

COMPANIES USED CRYONOMIC® EQUIPMENT

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Companies used CRYONOMIC® equipment

ABB

AREVA

EDF

GE POWER

mtu A Rolls-Royce solution

SIEMENS

ZE

ROLLS ROYCE

ALSTOM

AMC

ASAHI TEC

BAYER

BIG

IHI

SCG
SAM CEMENT GROUP
CHEMICALS

RPC

MITR PHOL

GLOW
GDF SUEZ

ADITYA BIRLA GROUP

JEL Jurong Engineering Limited

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