

PRESENTATION



OPTIMA
POWER



About us

OPTIMA Power was founded in 2007 in city Modriča, located in the northern part of BiH in entity Republic of Srpska, approx. 16 km from the border with Croatia and the European Union on Adria market (Balkan).

OPTIMA Power as company has a global focus to provide supervision, overhaul and delivery of spare parts for power industry and rotating equipment

OPTIMA Power provides services for the overhaul of power Units: STEAM TURBINE, GENERATORS, COMPRESSORS PUMPS and REDUCTORS.



HISTORY

- ✓ **2007** founded at city Modriča, Republic of Srpska-Bosnia and Herzegovina
- ✓ **2008** Power solution partner and first project for OEM: ALSTOM – BBC
- ✓ **2009** Over 90% of the company turnover generated from export
- ✓ **2010** Subcontracting projects for ALSTOM Power Service u Germany, Serbia, Portugal and Spain
- ✓ **2010** Spare parts solution partners for ALSTOM Power / GE Power in Portugal
- ✓ **2012** Re-engineering turbine spare part for Chinese OEM - Shanghai Turbine in Turkey
- ✓ **2013** Capital investment in administrative centre »Optima power Head office« 400 m²
- ✓ **2017** Investment in production facilities for CNC processing, small machining park on 1000 m²
- ✓ **2019** Certificated company of Comply Works in according with GE hazard management system
- ✓ **2020** Business partnership with ITH GmbH hydraulic tools for West Balkan market.
- ✓ **2021** Business partnership and representative MetalExpert, Poland for West Balkan market.
- ✓ **2022** Business partner and distributor Wikov CZ, gears and gearboxes for BA and Serbia market
- ✓ **2023** Business partner and distributor TGM Kanis Turbine, for West Balkan market



OUR PORTOFOLIO

- ❖ Consalting
- ❖ Supervision
- ❖ Engineering and re-engineering
- ❖ Designing
- ❖ Overhaul works
- ❖ Manufacturing service
- ❖ Sales
- ❖ Additional services





Consalting

- Technical consalting— TFA (Technical Field Advisor)
- Project managmenttraining
- SCC training (Safety Certificate Contractors)
- EHS (Environment, Health, Safety) services





SUPERVISION

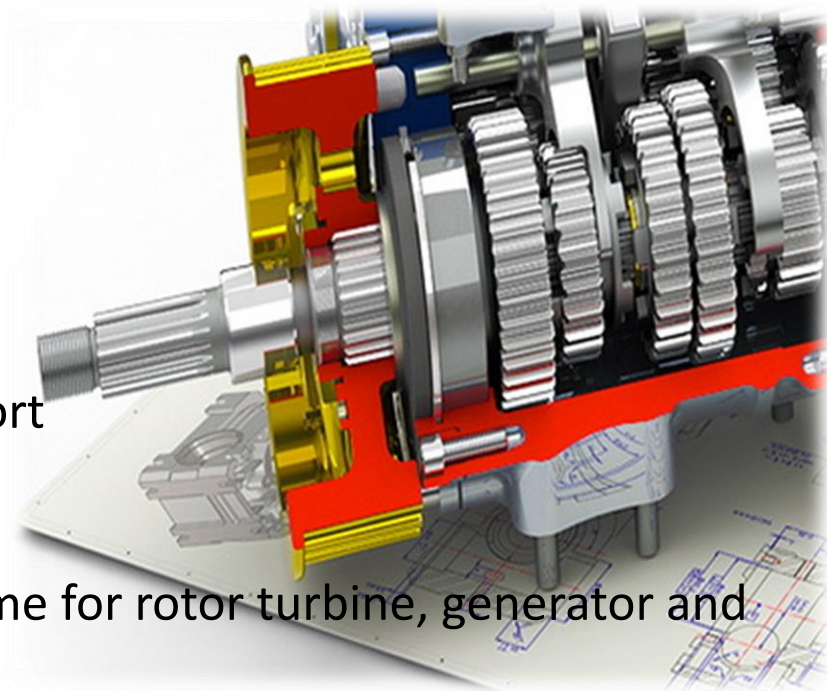
- Site managers
- EHS managers
- Supervisor on turbine, generator, valves, compressors, pumps, I&C, vibration
- Supervisor on hydraulic system
- Low speed rotor balancing





RE-ENGINEERING and Designing

- 3D model mechanical, assemblies, sheet metal parts, welded construction, piping, tubing, curved surface, mold tools, plastic parts and motion of mechanism and animations;
- Produce prototype rendering service
- Convert 2D drawing to 3D model
- 2D drawing of parts and assemblies
- Linear static analysis, simulation, static report
- Spart part of OEM manufacturer
- Designing and manufacturing transport frame for rotor turbine, generator and casing model





OVERHAUL

- Steam turbine 1.5 MW – 700 MW manufacturer BBC, CEM, ABB, Alstom, GE, MAN, LMZ, KTZ, Jugo-turbina, Shangai Turbine, Donfang, Franco Tossi
- Centrifugal, screw and piston Compressors (LMZ, Worthington, Trudbenik)
- Boiler turbo feed pumps (KSB, BMZ)
- Generator (BBC, ETM, Rade Končar, Elektrosila)
- On site machining services (honing, face flange, grinding)
- Reductors (WIKOV, YILMAZ)





Manufacturing services

The original spare parts OEM BBC, ABB, Alstom, GE, Shanghai Electric, LMZ, KTZ (turbine) and own manufacturing services with our LTA partners:

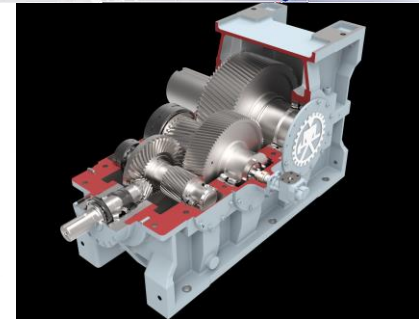
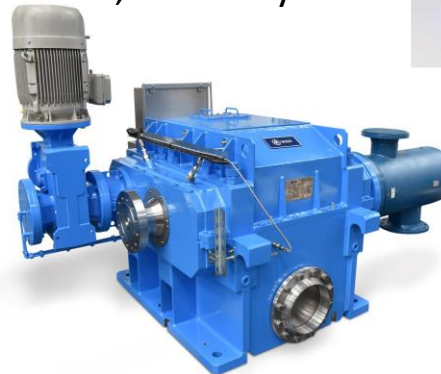
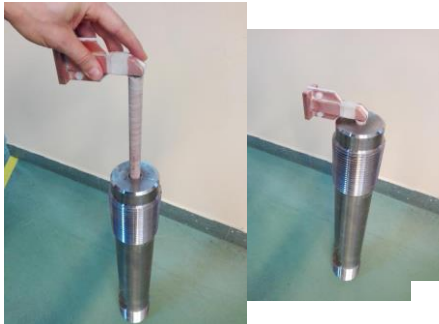
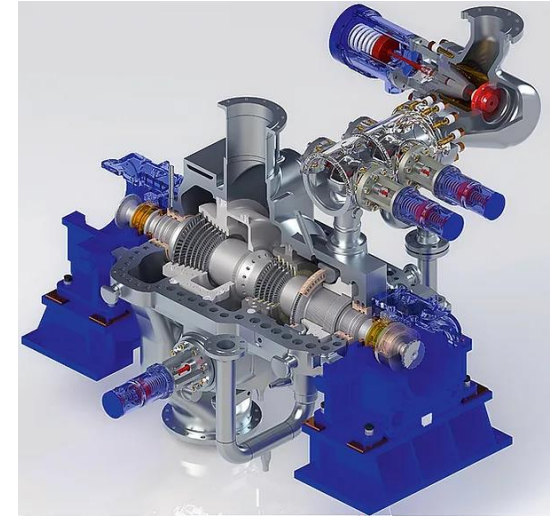
- ❖ Bolts, screws, nuts, sleeves, shrink rings, generators coolers, oil coolers, generator sealing rings, shafts, spindles, shrink rings and sliding bearings for turbine or generator
- ❖ Transport frame for rotor turbine, generator and casing modules
- ❖ Electric bolt heaters
- ❖ Thermo couples (thermoelement)
- ❖ Gears and gearboxes





SALES

- WIKOV gears and gearboxes
- Hydraulic special heavy tools – ITH GmbH, Germany
- Induction heaters and inductors – Helios 35, Italy
- Honing tools and stones – Sunnen, USA
- Industrial Steam Turbines-TGM Kanis Turbine GmbH, Germany





Additional services

- Rental services of fully equipped tool containers with hand tools and measuring equipment, office containers, changing rooms, and workshop containers with special tools for cleaning and sandblasting components
- Rent of transport frame for transport services of HP, IP, LP rotors and other components
- Heavy transport domestic and international
- Classic domestic and international transport





Certificate



- ✓ ISO 9001
- ✓ ISO 14001
- ✓ BS OHSAS 18001
- ✓ AAA
- Creditworthiness
rating



REFERENCE

- ✓ Optima Grupa – Oil refinery– BiH
- ✓ Alstom Power, Mannheim - Germany
- ✓ GE Power, Mannheim - Germany
- ✓ TE Nikola Tesla A, Obrenovac - Serbia
- ✓ TE Nikola Tesla B, Obrenovac - Serbia
- ✓ Alumina Zvornik - Production alumina, zeolit, hidrat - BiH
- ✓ PP IÇDAŞ Çanakkale, Biga - Turkey
- ✓ PP Termica de Meriama Lousa de Arriba – Spain
- ✓ GE Electric Israel, Tel Aviv - Israel
- ✓ PP Sines, Setubal - Portugal
- ✓ PP Pego, Santarem - Portugal
- ✓ PP DSW SDOM – Israel
- ✓ PP Maritza – GE project-Bulgaria
- ✓ BHT GmbH, Köln – Germany
- ✓ AKSA Akriklik, Yalowa – Turkey
- ✓ Altri Biotek, cellulosic fiber - Portugal



ACCEPTANCE certificate

ALSTOM Portugal, S.A.
Thermal Service

Purchaser's Address:
ALSTOM Portugal, S.A.
Av. Columbano Bordalo Pinheiro, 108-5º
1070-067 Lisboa
PORTUGAL

Person in charge:
Ulrich Merki
Department:
Turbines
Phone:
+351 265739065
E-Mail:
Ulrich.merki@power.alstom.com

Project's date:
From 2008 to 2014

Plant:
Pego/Sines

Date:
09.03.2015

Certificate of compliance

Orders Nos. 331002548, 331002550, 331004014, 4100439767 and 4100650151
Part Description : Spare Parts

Dear Sirs,

WE HEREWITH CONFIRM THAT THE GOODS SUPPLIED BY "OPTIMA POWER D.o.o." UNDER THESE CONTRACTS ARE IN COMPLIANCE WITH THE SPECIFICATIONS OF THE ORDERS.

ALSTOM Portugal, S.A.

Ulrich Merki

ALSTOM Portugal, S.A.

alumina

"Alumina" d.o.o. Zvornik
za proizvodnju, promet i usluge
Karakaj bb, 75400 Zvornik, Republika Srpska, BiH
Osnovni i Bifiljina, br. 576; matični br. 1975323; PIB 4400281290005
Direktor: +387 56 260 435 • Poslovi ispedicije tel/fax: +387 56 263 140

Optima Power doo
Hajduk Veljka br.26
74480 Modriča-BIH/Republika Srpska

Broj: A3-1006 B/08
Datum: 10.05.2015

Potvrda o Referenci

Potvrđujemo da je izvršilac radova Optima Power doo, na osnovu Zapisnika o primopredaji radova br. 32/15 i po ugovoru br.284/15 od 09.04.2015.godine na izvođenju:
- Remonta Turbine tip: PR-12-90/15/7M
- Kapitalnog Remonta Generatorsa tip: TS-12-2
proizvođača Kalužski SSSR, korisnika Alumina d.o.o. Zvornik, Karakaj bb
- Izvodio remont u periodu od 20.04.2015.godine do 25.05.2015.godine.
- I da su svi radovi izvedeni kvalitetno i u skladu sa standardima, a prema ugovoru br. 284/15 u traženom roku i kvalitetu.

Predmetna referenca se može koristiti samo u svrhu tenderskih procedura i ne može se koristiti za druge potrebe.

DOO "Alumina" Zvornik
Nadzorni organ:
Matić Drago

DOO "Alumina" Zvornik
Direktor sektora
energetika:
Slavko Batinić

GE Power Service

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Optima Power d.o.o.
Milosevac bb
74480 Modriča
BiH

15.02.2016

Dear Sirs and Madams,

We GE Power AG former "ALSTOM Power AG hereby confirm that Optima Power d.o.o. has completed for our needs contracts DD45178246/1, 4100688679/0 and 4100772332/1 for the Retrofit Project TE Nikola Tesla A3, Obrenovac, Serbia within the agreed timeframe, scope and quality, and that no complaints were filed within the warranty period.

In the Project Time line 2014/2015 Optima Power d.o.o. supplied following services on site:
Turbine Supervision, EHS supervision, Field Machining Services, Supply of new parts, Supply of additional tools, Supply of material.

Best Regards,

Thomas Schreyd
Team Leader Tender and Project Management
Region Europa
Product Centre Steam Turbine RTB

Dalibor Nikolic
Captain, Sales and Project Manager
Region Europa
Product Centre Steam Turbine RTB

i.v.
GE Power AG
Boveristraße 22
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Germany

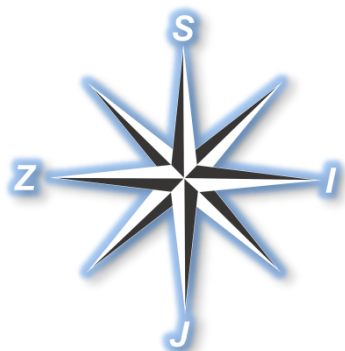
* Since 02.11.2015 Alstom Power AG belongs to General Electric.

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Commercial Register: HRB 8640
Chairman of the Supervisory Board: Dr. Carlos Janner Hantel
Board of Directors: Alf Henrich Wolf (Chairman), Joachim Geesens, Adolf Rensch, Dr. Jochen Schwarz, Ulfel Strassmann



LOCATION





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E-mail: service@power-optima.com
Web: www.optima-power.ba

Branch Office:

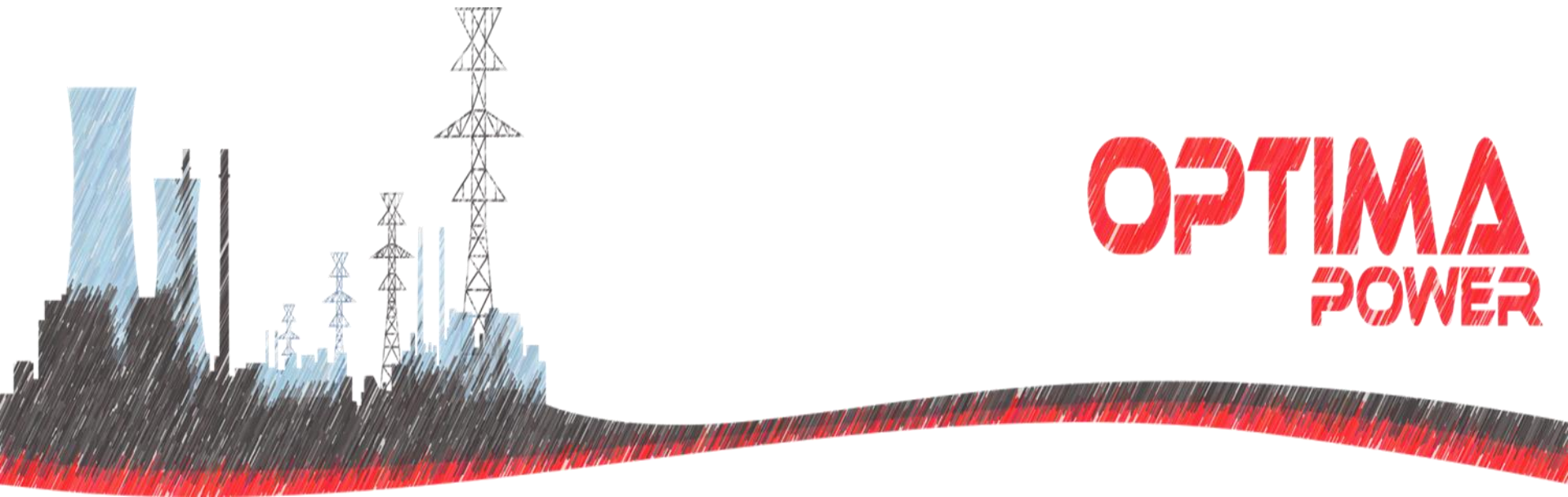
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OPTIMA POWER

