

MAJOR MILESTONES

- 3500+ Generators supplied
- 60 Million USD in 2016-17
- Total installed capacity of 25,700 MW
- Generators operating in 85 Countries
- Plant built up area 473,600 sq. ft.
- 600 Employees
- Capacity to manufacture 40 machines a month

CERTIFICATION





ISO 9001:2008

Quality Management System



ISO 14001:2004

Environment Management System



OHSAS 18001:2007

BS: Occupational Health & Safety
Assessment Series



ISO 3834-2

Welding Certification





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CE





Association of American Railroads Product certifications for Wind generators

ATEX

European certification For TDPS generators

Russian certifications For TDPS generators

Canadian certifications For TDPS generators

APPLICATION SECTORS



TURBINES



Steam Up to 200MW



Gas Up to 200MW



Hydro Up to 32MW



ENGINES



Diesel Up to 20 MW



Gas Up to 20 MW

SPECIAL APPLICATIONS



Motor Testing*



Locomotive*



Oil & Gas*



Geo Thermal*



MANUFACTURING FACILITIES







UNIT 1 - FACILITIES

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lant, VPI India Dynamic Balancing Machine, Abro India

UNIT 2, SHOP 1 - FACILITIES















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UNIT 2, SHOP 2 - FACILITIES









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UNIT 2, SHOP 2 - FACILITIES









UNIT 2, SHOP 2 – TRACTION GENERATORS BAY









UNIT 2, SHOP 2 – TRACTION GENERATORS BAY







UNIT 2, SHOP 3 – 2 POLE GENERATORS FACTORY







UNIT 2, SHOP 3 – 2 POLE GENERATORS FACTORY







TESTING

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14 TEST BEDS

Routine Tests

- Resistance measurement of all windings
- Insulation resistance measurement before and after HV
- High Voltage test on all windings
- Open Circuit and short circuit characteristics
- Efficiency test by summation of losses method.
- Phase sequence
- Voltage balance
- Rotor impedance
- Functional check of accessories with Generator

Type Tests

- Open Circuit Heat run
- Short Circuit Heat run
- Momentary Over Current Test
- Sudden Short Circuit test @ 30% rated voltage
- Noise Level test
- Recording of no load wave form, harmonics and THF calculation
- Determination of reactance values by sudden short circuit test
- Vibration measurement
- Shaft voltage
- Over speed test
- Retardation Test

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POWERING OVER 20,770MW WITH 1,640 GENERATORS

Product Range

Range: 1 – 250MVA

• Voltage levels: Up to 15.75kV

• Speeds: 1500/1800/3000/3600RPM

Frequency: 50/60Hz

Insulation Class: F

Bearings: Antifriction/Sleeve

Protection: IP23 to IP56

Rotor: Cylindrical/Salient

Excitation: Brushless/Static

• Installation: Hazardous/Non-hazardous









IN OPERATION AT SITE



Rating 2MW

Project Toyota Car Factory

Location Toyota, Aichi Prefecture, Japan

Application Industrial

Turbine JFE

End User Toyota Kaikan Plant



Rating 49.45MW

Project Snetterton

Location Snetterton, UK

Application Biomass

Turbine Alstom

EPC BWSC

Consultant Fichtner



IN OPERATION AT SITE



Rating 24MW & 14MW

Project Mitr Phu Viang

Location Khon Khaen, Thailand

Application Co-Generation Sugar

Turbine Shin Nippon

End User Mitr Phol Phu Viang Mill



Rating 17.6MW

Project Biocel Paskov

Location Paskov, Czech Republic

Application Industrial

Turbine TMS

End User Lenzing



IN OPERATION AT SITE



Rating 18.209MW

Project Lisahally

Location Lisahally, UK

Application Biomass

Turbine Alstom

EPC BWSC

Consultant Fichtner



Rating 3.5MW

Project Oreade

Location Le Havre, France

Application Waste to Energy

Turbine Fincantieri

EPC Suez

Consultant Ingevalor



IN OPERATION AT SITE







Rating 2 x 20MW

Project Fujairah Cement Industries

Location Dibba (UAE)

Application Industrial

Turbine Shin Nippon

EPC The Indure Private Limited

Consultant Desein Private Limited

IN OPERATION AT SITE





Rating 13.75MW

Project Sappi Sai BPTG

Location South Africa

Application Industrial

Turbine Triveni Turbine

EPC Triveni Turbines Limited

End user Sappi Saiccor Mill



FOR GEO-THERMAL APPLICATION







Rating 3.2MW

Customer Kengen

Location Kenya

Application Geo-Thermal

Turbine Maxwatt

Consultant Green Energy

STEAM TURBINE 2 POLE GENERATORS

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POWERING OVER 264MW WITH 4 GENERATORS



Rating 2 x 67.5MW (2 pole)

Project/End User Bhubaneshwar Power Pvt. Ltd.

Location Orissa, India

Application Industrial

Turbine Siemens

Consultants TPSC (INDIA) Pvt. Ltd.

TATA Consulting Engineers Limited



STEAM TURBINE 2 POLE GENERATORS









DIESEL ENGINE GENERATORS

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POWERING OVER 1,230MW WITH 890 GENERATORS

Product Range

• Range: 1 – 32MVA

Voltage levels: Up to 15kVSpeeds: 187 to 1800RPM

Frequency: 50/60Hz

Insulation Class: F

• Bearings: Antifriction/Sleeve

 Machine mounted Lube Oil System (Optional)

Machine mounted AVR (Optional)

Protection: IP23 to IP54

• Rotor: Cylindrical/Salient

• Excitation: Brushless/Static





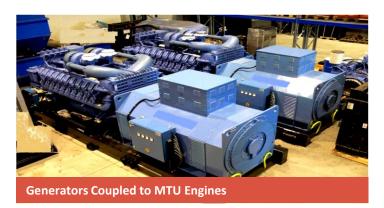


DIESEL ENGINE GENERATORS











DIESEL ENGINE GENERATORS

IN OPERATION AT SITE





 $\textbf{Rating} \qquad \qquad 4 \times 2.5 \text{MW}$

Location Lungga Power Plant,

Honiara, Solomon Islands

Application Primary power source to

Honiara city

Engine MAN Diesel & Turbo

End user Solomon Island Electricity

Authority

EPC MAN Diesel & Turbo Denmark

Consultant Jacobs Australia Pty Limited

GAS ENGINE GENERATORS

POWERING OVER 1100MW WITH 245 GENERATORS

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Product Range

• Range: 1 – 32MVA

Voltage levels: Up to 15kVSpeeds: 187 to 1800RPM

Frequency: 50/60Hz

Insulation Class: F

Bearings: Antifriction/Sleeve

 Machine mounted Lube Oil System (Optional)

Machine mounted AVR (Optional)

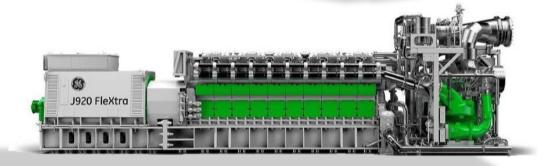
Protection: IP23 to IP54

Rotor: Cylindrical/Salient

• Excitation: Brushless/Static

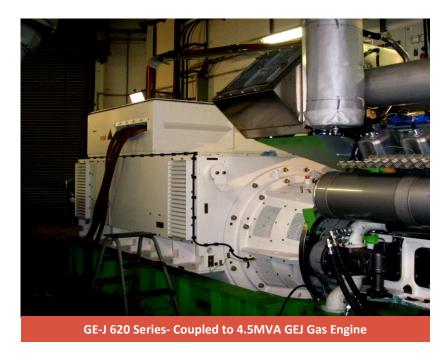






GAS ENGINE GENERATORS

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POWERING OVER 2,200MW WITH 490 GENERATORS

Product Range

• Range: 1 – 40MVA

Orientation: Horizontal/Vertical

Voltage levels: Up to 15kV

Speeds: 187 to 1800RPM

• Frequency: 50/60Hz

Insulation Class: F

Bearings: Antifriction/Sleeve

Protection: IP23 to IP54

Rotor: Cylindrical/Salient

Excitation: Brushless/Static







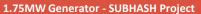














10.64MW Generator - BHILANGANA Project













Rating	2 x 31.5MW	
Location	Jimmie Creek, Canada	
Application	Run-of-river power plant	
Turbine	Vertical Pelton , Voith make	
End user	Alterra Power Corp	
Consultant	SNC Lavalin	







THE PERSON NAMED IN	
Rating	2 x 6MW
Location	Ha Giang, Vietnam
Project	Thanh Thuy 1 & 2
Turbine	Horizontal Pelton Voith make















WIND GENERATORS

POWERING OVER 200MW WITH 130 GENERATORS







OEMS WE WORK WITH



STEAM TURBINE

- AIRCLEAN ALSTOM ARANI POWER CHOLA DRESSER RAND EKOL ELLIOT FINCANTIERI FUJI ELECTRIC GE TRIVENI HANGZHOU
- HINDUSTAN TURBO MACHINEARY N G TURBINES JFE KESSELS KIRLOSKAR EBARA MAN DIESEL & TURBO SHIN NIPPON
- SHINKO SIEMENS SKODA TRIVENI TURBINES LIMITED TGM KANIS TURBODEN TURBOTECH TMS TURBOKRAFT

DIESEL ENGINE

- CATERPILLAR CUMMINS DAIHATSU GE JENBACHER GE TRANSPORTATION MAN DIESEL & TURBO MITSUBISHI MTU
- NIIGATA PERKINS PIELSTICK WARTSILA YANMAR

GAS ENGINE

• GE JENBACHER • NIIGATA • GUASCOR POWER

GAS TURBINE

• KAWASAKI HEAVY INDUSTRIES (KHI) • ONPOWER (ROLLS ROYCE)

HYDRO TURBINE

- ANDRITZ BOOM SYSTEMS B FOURESS ENERGI TEKNIKK FLOVEL KIRLOSKAR BROTHERS MECAMIDI GROUP MAVEL a.s.
- RAINPOWER a.s. SPETAKSVERK TOSHIBA POWER SYSTEMS CORPORATION TURBOINSTITUT VOITH WWS-WASSERKRAFT

WIND TURBINE

• KENERSYS • WINWIND

CONSULTANTS / EPC









SITERM HEAT INDUSTRY INC































CONSULTANTS / EPC

































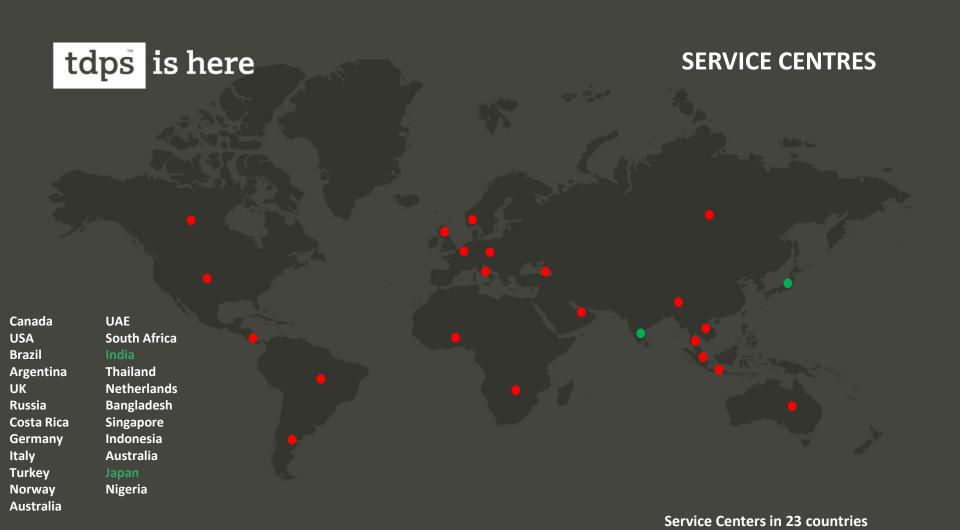
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Distribution across the globe

Continent	Nations	Quantity
Asia	27	2837
Africa	21	112
Australia	2	43
Europe	21	197
North America	10	114
South America	4	13

India : Head OfficeJapan : Branch officeGermany : Branch office

• USA : Branch Office



tdps is generating, innovation, solutions, value, welfare, power, growth, energy, empowerment, new, potential, creativity, ideas, change, relations, improvements

All the meticulous planning and detailing that goes into producing a generator is not something people think of — nor should they! We work hard to make sure that people don't have to think about generators — after all that's what we do for a living. In TDPS we deliver engineering solutions to world class generators.