



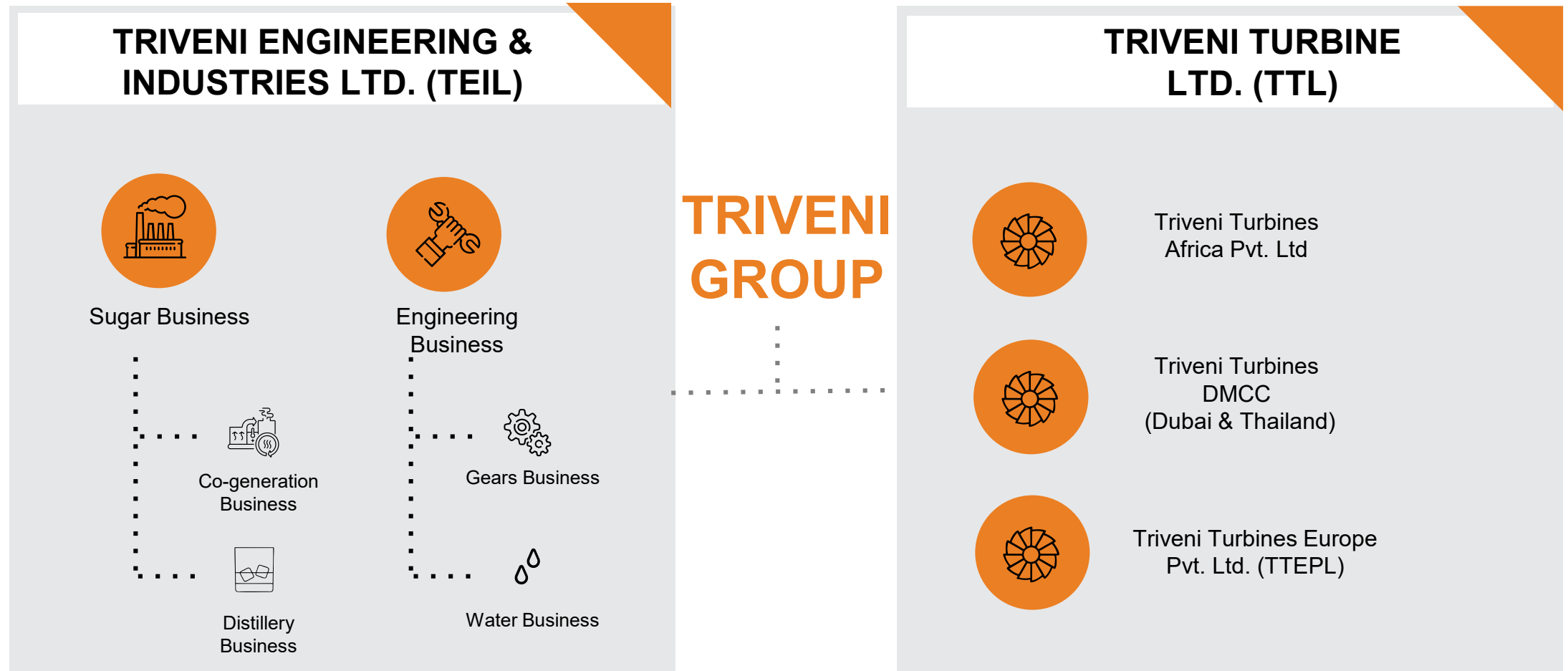
Imagine. Innovate. Inspire

BUSINESS PRESENTATION

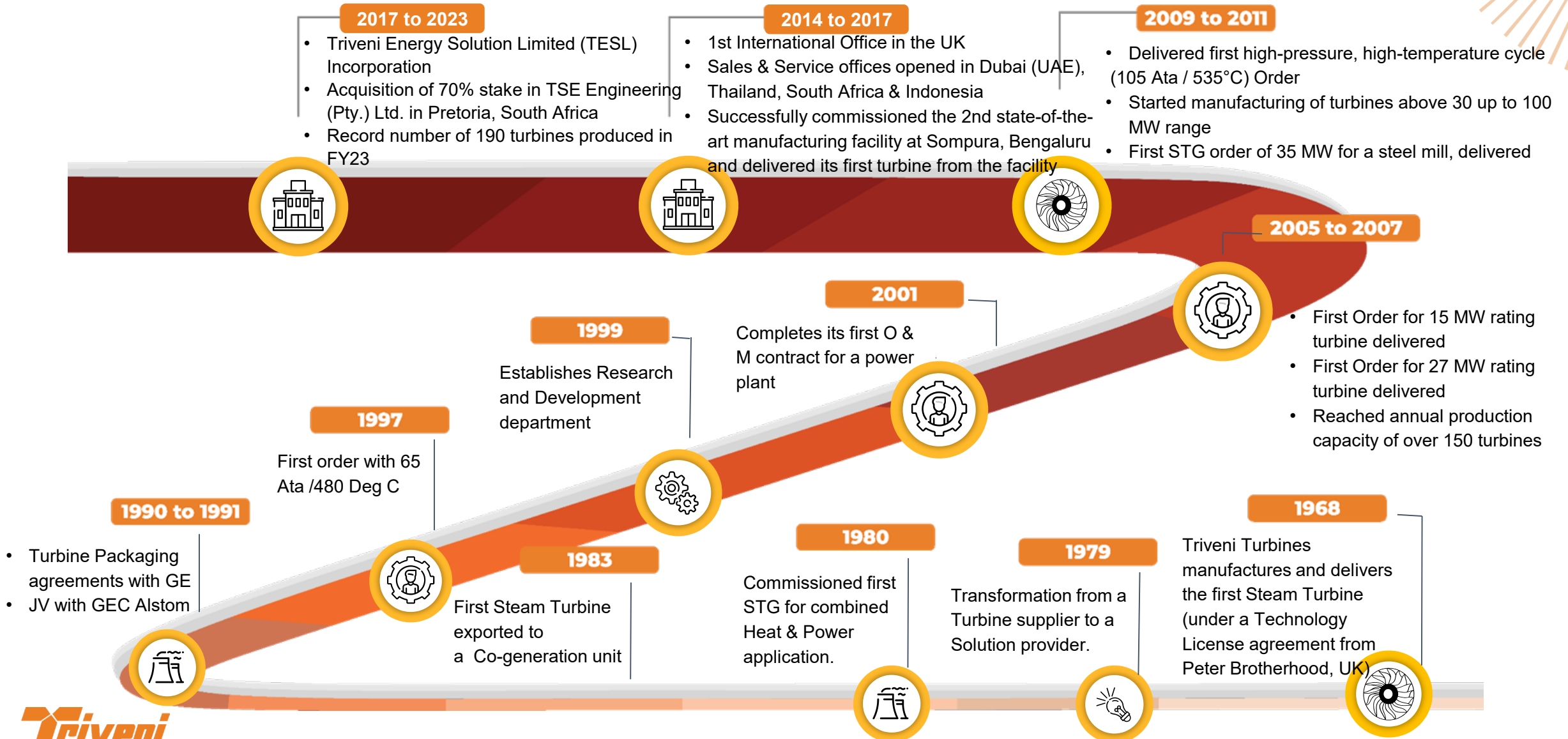
December 2023

Organization Structure

Triveni Engineering & Industries Limited is a diversified business conglomerate for nearly 9 decades with a turnover of around INR 63 Billion (\$765 Mn) in FY23. The turnover of Triveni Turbines is around INR 12 Billion (\$149 Mn) in FY23 with a market cap of more than INR 138 Billion (\$1.6 Bn) (as on December 2023).



Unfolding Our Proud Legacy



Fact Sheet



Over **6000**
steam turbines
installed globally



Over **16 GW**
installed power
generation capacity



Installations in
~80 countries



20+
Industries Served for
Heat & Power Needs



Green Impact Strength

Nearly **80-85%** of our business in 2022-23 came from thermal renewable fuels



> 30%

Global market share*
(Sub-30 MW Range - McCoy Report)

Global Footprint in 80 Countries



Headquarters
Bengaluru



Subsidiaries /
Representation Office



Turbine
Installations

One Name to Serve in 20+ Industries

POWER GENERATION

COMBINED HEAT & POWER

MECHANICAL DEVICES



Sugar



Cement



Chemical



Palm oil



Paper



Steel



Ceramic



Food



Textile



IPP – Barge
Mount



Distillery



Waste-to-Energy



Carbon Black



Petrochemicals



Rice Mills



Glass



District Heating



Defence
(Ready to Foray)



Pharmaceuticals



General
Engineering



Oil & Gas



Fertilizers



Biomass Power

Why Triveni Turbines?



One of the world's leading manufacturer of industrial steam turbines of **up to 100 MW range**, holding **over 29% share in the global market in FY23**.



Two state-of-the-art production facilities located in Bengaluru, India having capacity to manufacture more than 300 steam turbines a year.



Only steam turbine company in the world to have machining (Blades, Casing, Rotor Shaft), balancing (low speed dynamic & **high-speed vacuum tunnel**) and testing (**MRT**) facilities in-house.



The company offers **complete turnkey solutions** for turbo-generation operations, including: supply of steam turbines, steam piping, fire fighting systems and cabling.



One of the few companies in the world having balancing & test facilities with **2 SCHENK Vacuum Tunneling for high-speed balancing of rotors & live steam boilers** with more than 20 Steam Mechanical Run Test Beds including load simulation.



Service centers (13) available in close proximity to installation with a quick response time during emergency.

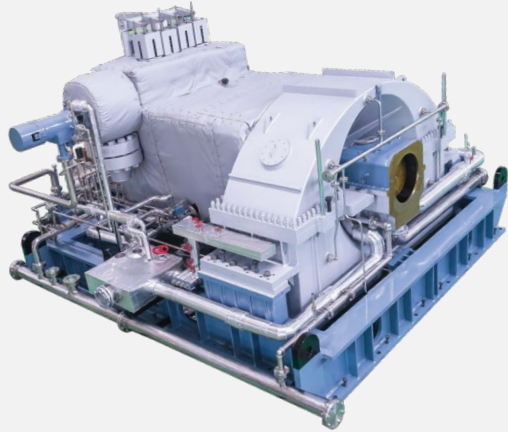


Manufacturing steam **turbines for over 50 years**. Each steam turbine offered by us is engineered to order & customized based on the customer's requirement to match the plant load, boiler load & future power to steam ratio requirements.



Global supply chain network to ease sourcing of equipments and manage distribution, logistics and delivery of products on time.

Our Complete Product Portfolio



Condensing & Back-Pressure Steam Turbines (Up to 100 MW)

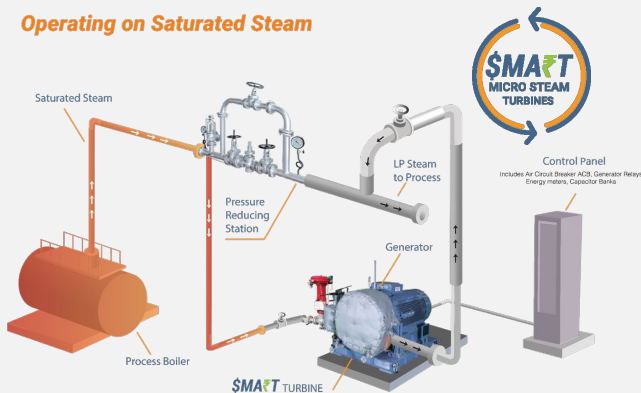


API Turbines – Oil & Gas - 611 & 612 standards (10 kW to 100 MW)

Product Range up to 100 MW (Standard & API)

- Straight Condensing
- Bleed Condensing
- Extraction Condensing
- Double Extraction Condensing
- Injection Condensing
- Straight Back Pressure
- Bleed & Back Pressure
- Extraction Back Pressure

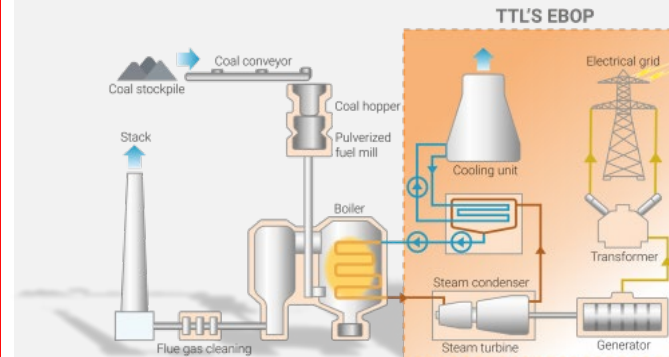
Operating on Saturated Steam



SMART Product Range

- Back Pressure Steam Turbines
- Min Rating – 50 kW
- Max – Up to 3.0 MW
- Min Inlet Pressure 4 kG/ Cm2G
- Various Frames based on Flow and Pressure Ratios Available

SMART Turbines (for PRDS Replacement)

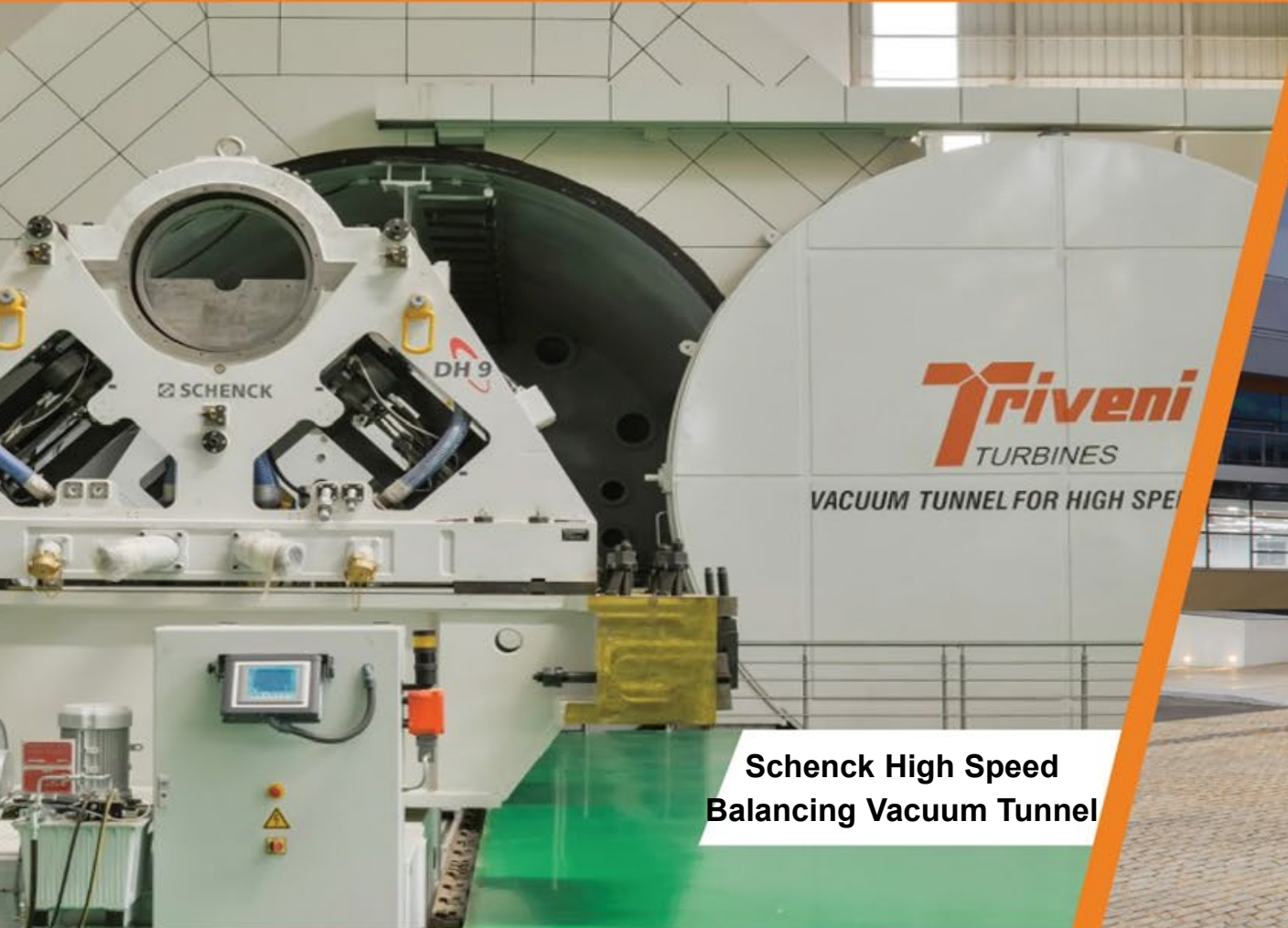


Balance of Plant

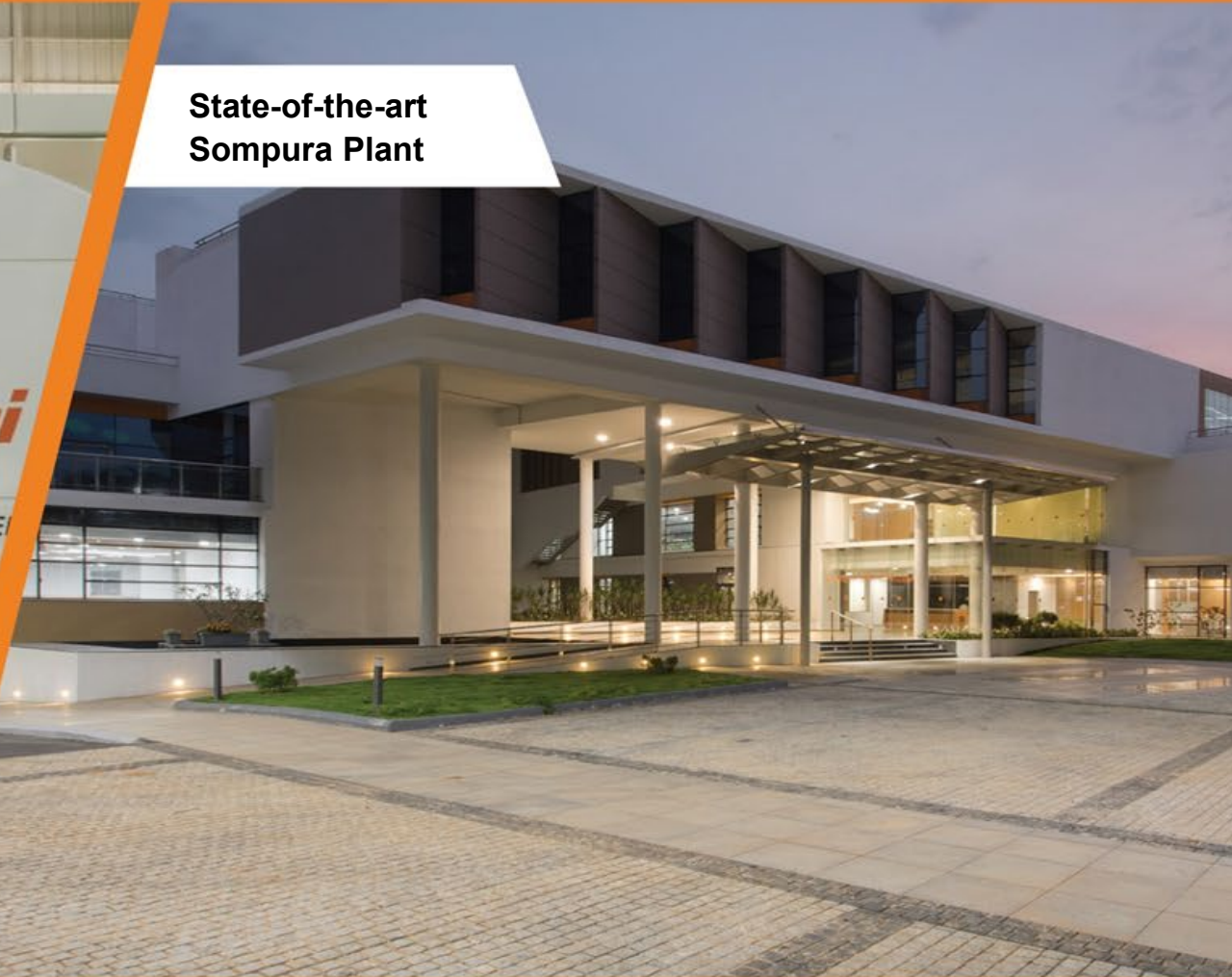
- Steam Piping
- Power Evacuation & Switch Yard
- Cooling Towers
- Ash Handling
- Fuel Handling etc...

Extended Balance of Plant

Our World-class Manufacturing Facilities



State-of-the-art
Sompura Plant



Schenck High Speed
Balancing Vacuum Tunnel

Manufacturing Infrastructure

- 2 Nos. Vacuum tunnels-catering up to 150 MW rotors
- Large fleet of Four-axis CNC machines
- Five-axis CNC machining center
- Computerized test facility
- Full-speed mechanical steam run test facility
- State-of-the-art turn milling machine
- Zeiss coordinate measuring machines
- Integrated CAD / CAM
- Five-axis CNC mill turn center machine
- 5-face CNC Gantry machine



State-of-the-art facilities equipped to provide manufacturing of critical components, assembly, testing & refurbishing services



Latest design tools and software to deliver innovative solutions to customers



Quality Assurance

Standards



API, IEC, BS, NEMA, DIN, ASME, CE,
PED, AGMA, TEMA, HEI, GOST - R

Our products meet the most stringent
International Quality Standards

Certifications



ISO 9001-2008



ISO 14001-2008



AS9100D

Testing

- Ultrasonic Test
- Thermal Stability Test
- Natural Frequency Test
- Magnetic Particle Test
- Sound Level Measurement
- Alignment Check
- Radiography
- Zygo Test
- Low Speed Dynamic Balancing
- Governor Response
- Casing Hydro Test
- Full Speed Mechanical Steam Run Test
- Vibration Measurement
- Profile Measurement Through CMM



The image features a solid orange background. On the left side, there are several sets of concentric circles in a slightly darker shade of orange, creating a ripple effect. The text "Thank You" is centered in the middle of the image in a white, sans-serif font.

Thank You