


Belliss

Belliss India Limited



**A LEADING INTERNATIONAL
STEAM TURBINE
MANUFACTURER AND
ENERGY SOLUTIONS PROVIDER**

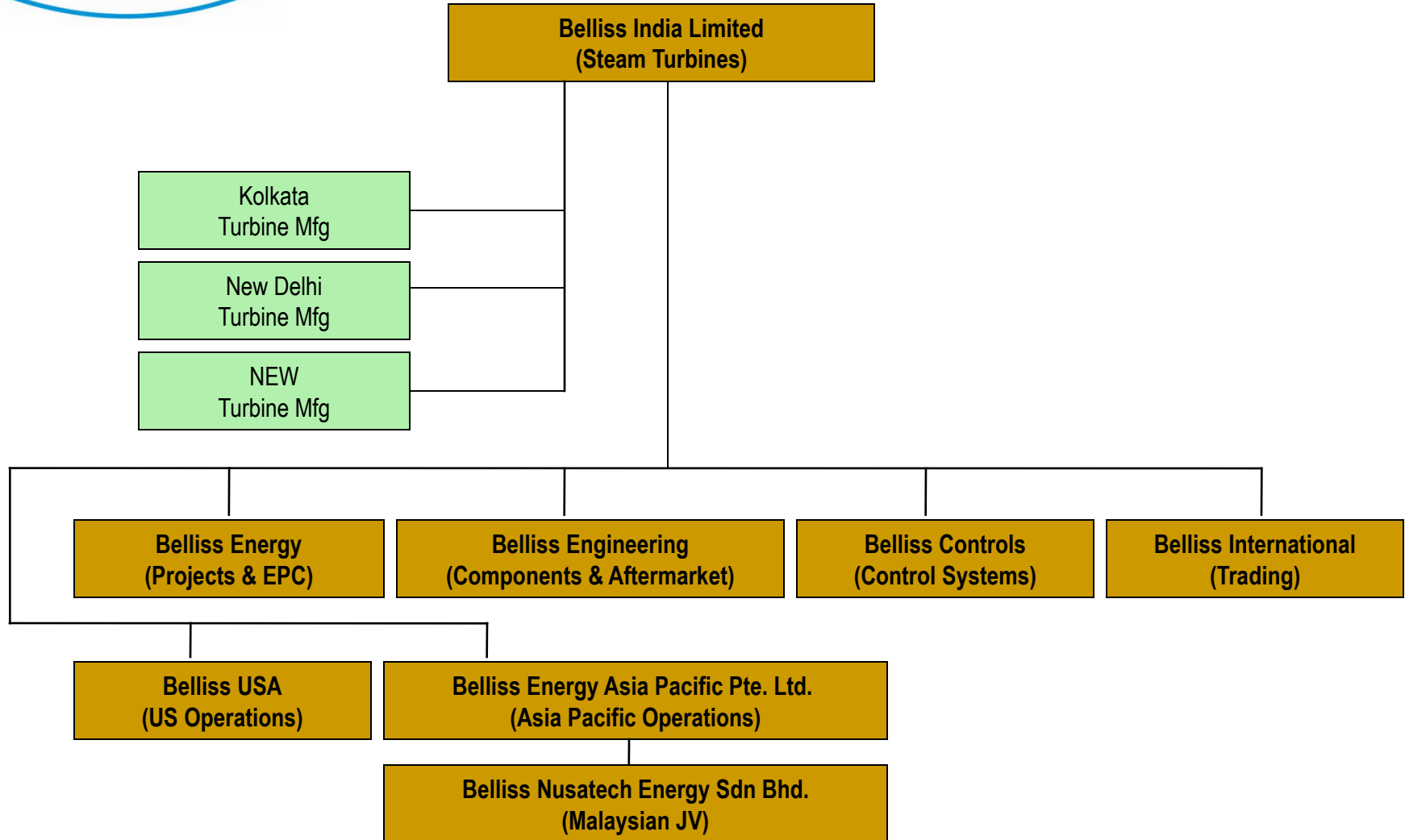


Belliss India Limited

- Set up in 1960 – initially to manufacture steam turbines
- Originally turbines built under license from Belliss & Morcom & W.H. ALLEN (UK)
- Previously part of Rolls Royce plc.
- Turbines range -100KW TO 20,000KW, compliant with API/ISO standards.
- Over 2,700 turbines shipped to date, installed in 11 different industries and 15 different countries.
- Over 125,000 square feet of manufacturing and test space
- Diversified to manufacture of high precision components in early 1990s
- Ventured into Engineering, Procurement and commissioning of power projects in 2000s.
- Currently additional focus – renewable power projects

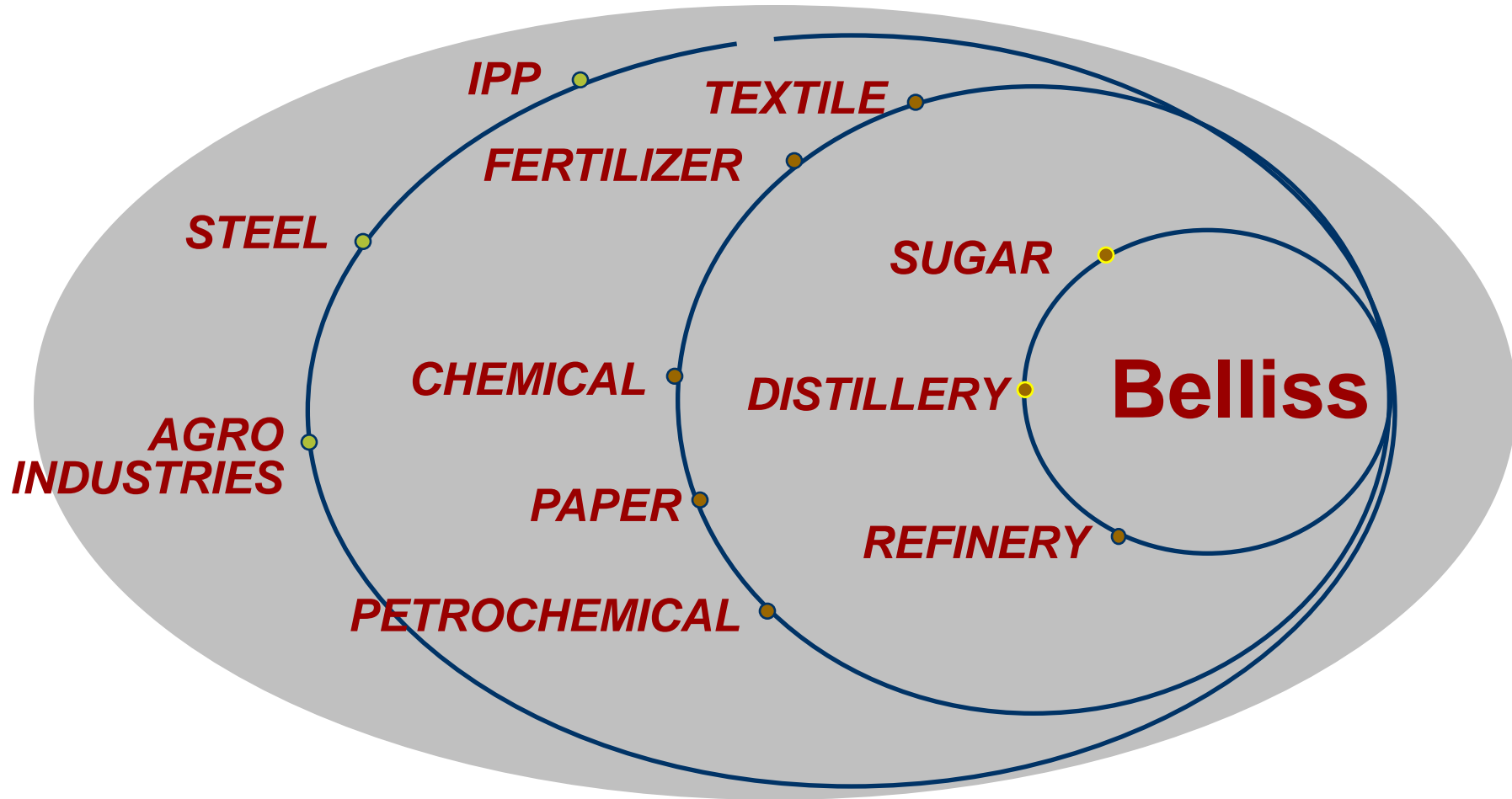


Current Group Structure





Industries Serviced By Belliss Steam Turbines Division





Brief Profile of Typical Indian Clients

- 1. TRIDENT GROUP :**
 - A large business house having interests in Paper, Terry-Towel & Chemicals
- 2. NIRMA GROUP :**
 - A leading Gujarat based group having business interests primarily in Detergent, Soaps and in backward chemicals/ Raw-materials. It is one of the fastest growing companies and now diversifying into the Power Sector
- 3. INDIAN OIL COPORATION LIMITED (IOCL) :**
 - This is one of the largest Public Sector Undertakings of The Government of India. It has many refineries across India and considered to be one of the top 9 PSUs of Indian government
- 4. HINDUSTAN COPPER LIMITED (HCL) :**
 - A large Public Sector Undertaking of Government of India
- 5. STEEL AUTHORITY INDIA LIMITED (SAIL) :**
 - This is one of the top 9 Public Sector Undertakings of The Government of India and producing steel in different shapes and sizes having large number of plants across India
- 6. BIRLA GROUP :**
 - One of the most diversified business house in India having diverse business interests in Steel, Aluminum, Chemicals , Cement, Telecom and Infrastructure etc. This is one of oldest groups in India
- 7. SHRIRAM GROUP :**
 - This is also one of the oldest business groups in India having diverse business interests in Sugar, Chemicals, Fertilizers and Cement
- 8. ISGEC GROUP :**
 - ISGEC is one of the leading engineering companies in India having interests in Sugar, Turnkey Projects, Boilers etc. They have international reputation in Turnkey Projects
- 9. BAJAJ HINDUSTHAN GROUP :**
 - It is one of the largest Sugar producing companies in Asia and belongs to diverse Bajaj Group of Companies having interests in Automobile, FMCG, Insurance etc.
- 10. BALRAMPUR GROUP :**
 - It is also one of the leading Sugar producing companies in Private-Sector having many large sugar mills in India



Worldwide Installations

We have not only made our mark in India but in other countries such as...

- AUSTRALIA
- BANGLADESH
- FIJI ISLAND
- NEPAL
- NEW ZEALAND
- NIGERIA
- SINGAPORE
- SPAIN
- SOUTH AFRICA
- TANZANIA
- UGANDA
- VIETNAM
- PHILIPINES
- UGANDA

The first Indian company to export to South Africa and Australia



Worldwide Installations





Primary Facilities

- Head Office:
 - D-160 Sector 63, Noida, UP, India
 - Senior staff and business office
 - Sales and Application Engineering Center
 - Steam turbine engineering office
 - Energy and International trading teams

- Bhadreswar Works:
 - G.T. Road, Bhadreswar, Distt. Hooghly, West Bengal, India
 - Large component manufacturing
 - Assembly
 - Steam testing

- Faridabad Works:
 - 14/5, Mathura Road, Faridabad, Haryana, India
 - Large component manufacturing
 - Assembly
 - Steam testing

- Okhla Works:
 - F3/3 Okhla Industrial Area, Phase I, New Delhi, India
 - Precision component manufacturing





Strengths

- Technology oriented group with 250 engineers in designing, manufacturing and services
- Experienced team of engineers for EPC
- Nation-wide sales network
- Relationships with manufacturers and service providers all across value chain of power projects.
- Development tools including 3-D design tools and modeling software
- ISO 9001 and API certified

Product Range – Steam Turbines

a SINGLE VALVE SINGLE STAGE UNITS To 3,000 HP

b SINGLE VALVE MULTI STAGE NON-CONDENSING
To 3,000HP/2,250KW

c MULTI VALVE MULTI STAGE NON CONDENSING
To 13,500HP/10,000KW

d MULTI VALVE MULTI STAGE CONDENSING
To 8,000HP/6,000KW

Current designs from W.H.Allen includes their installed 20,000KW
automatic extraction condensing turbine generator units

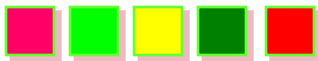


Tests & Inspection

ROTOR



STEEL CASTINGS



NOZZLES / DIAPHRAGMS



CHEMICAL ANALYSIS

MECHANICAL PROPERTIES

ULTRASONIC TEST

HEAT TREATMENT

THERMAL STABILITY

DYNAMIC BALANCING

HYDRAULIC TEST

DYE PENETRANT

MAGNETIC PARTICLES

WELD PROCEDURE

NO LOAD SPIN TEST

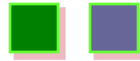
BLADING



BEARINGS



BASE PLATE



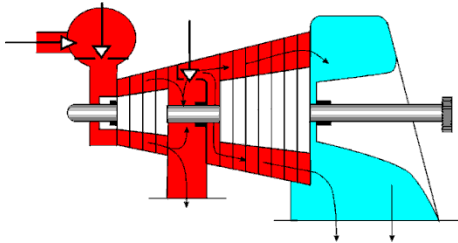
TURBINE





Belliss USA & Asia Pacific

- Sales and marketing of products and services of Belliss group in North, South America & Asia Pacific.
- Program management to assist in project execution
- Trading - Brokering parts and services



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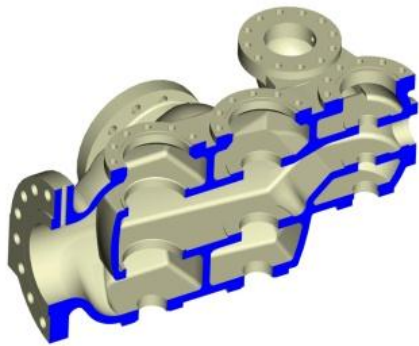
Belliss Energy

- Co-generation projects in sugar and other process industries.
- Bio-gas based power solutions
- Rice husk and agro waste biomass power
- Solar power plants
- Complete turnkey solutions for renewable energy projects
- Support for carbon credits and green energy tax incentives





Engineering and Aftermarket

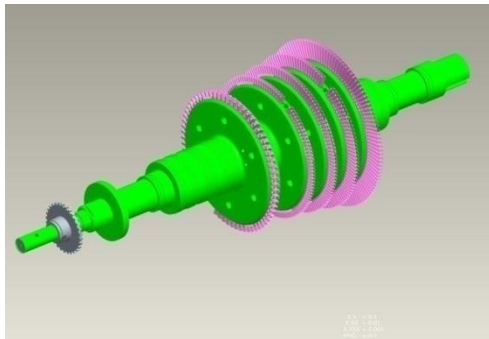


- **Integrated Solutions**
 - Product Design & Development
 - Reverse Engineering

Critical Component Manufacturing

- Turbine Blades & Shrouds
- Nozzles & Laser Cut Shrouds
- Rotors

- **Over 50 trained field service engineers for aftermarket and EPC projects.**





Quality Policy

- Belliss group is committed to Design, Engineering , Manufacture and Supply of High Quality Products and provide services to meet customer's specific requirements
- We believe that our success can be measured only by continuing success of our customer on the production floor & is continuously monitored at highest levels of management
- Our philosophy of continuous improvement relies on intensive training programs which emphasize direct involvement of our employees.
- Our aim is to respond to our customer's ever changing needs in the most cost effective way.



Our Bearings

Headquarters

“ Belliss House”
D-160 Sector 63
Noida – 201301, UP, India

Offices

Kolkata, Pune

Dedicated Engineering Center
New Delhi

Works

Bhadreshwar, Faridabad, New Delhi

International Divisions

Belliss USA Inc.

392 Old York Road
Hamilton, NJ 08620
USA

Belliss Energy Asia Pacific Pte. Ltd.

71, Tras Street,
07-179 Union Building,
Singapore - 079025

Belliss Nusatech Energy Sdn. Bhd.

No.5, Jalan Anggerik Mokara 31/45
Seksyen 31, Kota Kemuning,
40460 Shah Alam, Selangor, Malaysia

Worldwide Agents

M/s G.S. Energy

Suite-18, 8 Dennis Road,
Springwood QLT 4127, Australia

Trung An Trading (TAT)

101, St. No. 24,
Binhtridong B, Binhtan, HCMC, Vietnam

Compressor and Turbine Services, LLC

901, Old Genoa Red Bluff Road.
Houston, Texas 77034, USA