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MONEY SAVED IS MONEY EARNED



**Reduce your electricity cost
by over 80% by installing NCON's
pressure reducing steam turbine**

Low acquisition cost

Minimal maintenance

Hassle-free installation

Patented technology

Compact design



A B O U T U S

NCON stands for eNergy CONservation

- 1987** Founded
- 2002** Provided overhauling, repowering and re-engineering solutions for over 1000 turbines of different international makes with power capacities upto 20,000 kW
- 2006** Designed, developed and manufactured its first steam turbine rated 1500 kW from the ground up in record time of 6 months from order to commissioning
- 2010** Patented a revolutionary concept in steam turbines that reduces cost to the barest minimum and enables even relatively small steam users to benefit from our turbine where previously not economically viable



2017 NCON's patented turbine is a phenomenal success with over 250 installations in just 5 years

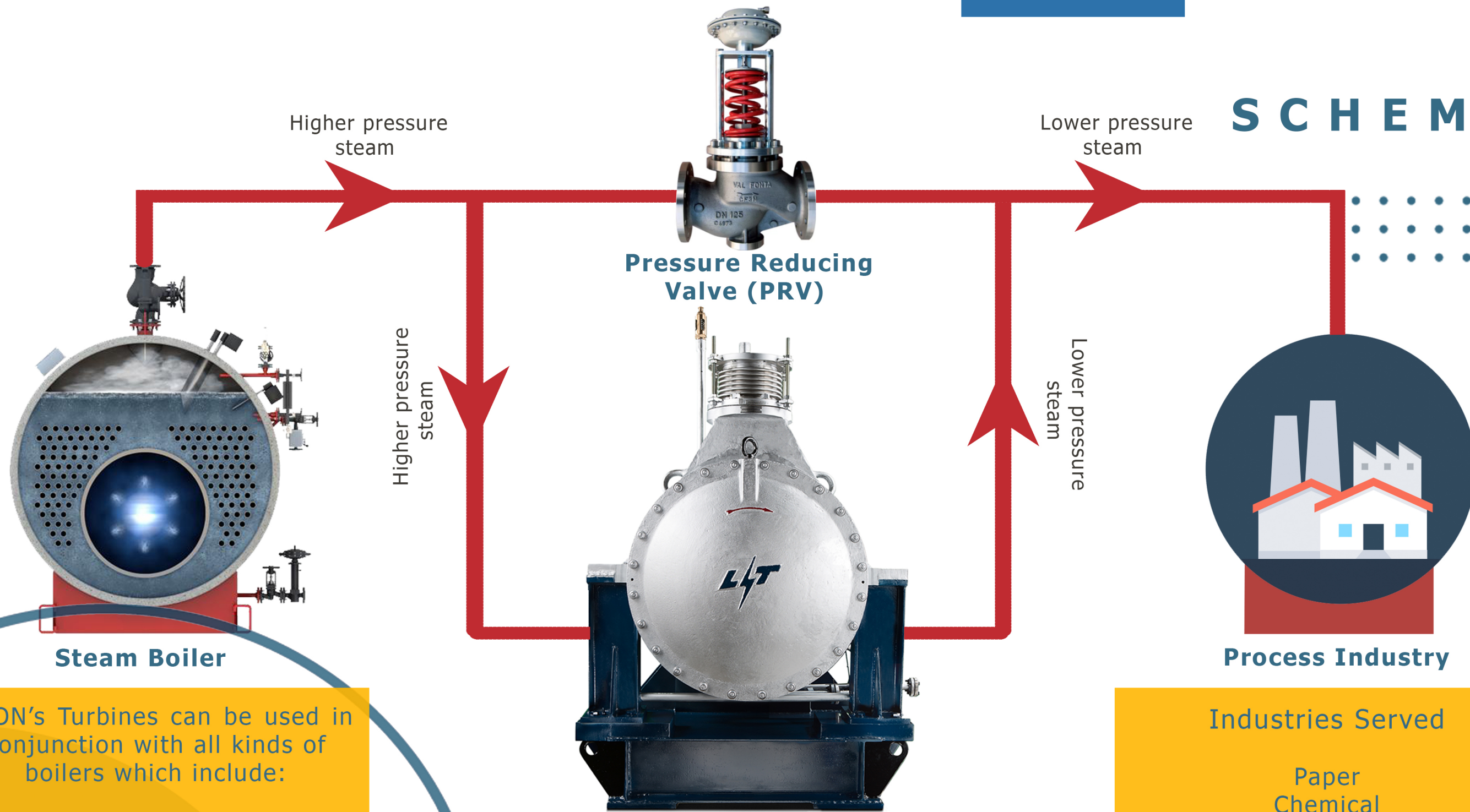
2018 NCON partners with one of the world's largest steam engineering companies with a base of over 6,000 customers internationally

2019 NCON has extended its reach to Africa, Europe and Southeast Asia



NCON Turbo Tech
TURBINE ENGINEERS

SCHEMATIC



Steam Boiler

Pressure Reducing Valve (PRV)

NCON's Turbine

Process Industry

NCON's Turbines can be used in conjunction with all kinds of boilers which include:

- Saturated or Superheated steam boilers (upto 500°C)
- Low or high pressure steam boilers (10Bar - 65Bar)
 - Power can be produced from steam flow rates as low as 1000 kg/hr

Replace your existing Pressure Reducing Valve (PRV) with NCON's turbine to:

- Generate ultra-low cost electricity
- Mimic the function of PRVs while tapping into otherwise wasted power generation potential
- Supply your process with precisely the required steam pressure and flow
- Ensure seamless integration into your plant and grid supply

Industries Served

- Paper
- Chemical
- Textiles
- Distilleries
- Pharmaceutical
- Food & Beverages
- Sugar
- Palm Oil
- Rice
- Cement
- Carbon Black
- Oil & Natural Gas

Any Business with a Steam Boiler!





NCON Turbo Tech
TURBINE ENGINEERS

Low-cost Steam Turbine (LST)

A conventional steam turbine is often quite expensive and complex, utilizing multiple integrated assemblies and sub-systems to generate electrical power. NCON's revolutionary LST eliminates many costly components which drastically reduces acquisition cost, installation time, space requirements, operator training and maintenance costs over the life of the turbine.

PATENTED
Patent No. 320199



No lube oil replacement or refill
The LST does away with lube oil

No maintenance spares such as oil filters, bearings, couplings, governor spares, etc.
LST doesn't need any of these

Reduced manpower cost for operation and maintenance
Almost nil for the LST

No cost of providing cooling water supply to the turbine
The LST requires no cooling water

LST is equipped with remote monitoring and control via the internet

Max. inlet steam pressure, temperature

35 Bar(g), 300°C

Max. exhaust steam pressure, temperature

7 Bar(g), 200°C

Power Capacity

upto 650 kW



PRODUCTS

Single & Multi Stage Steam Turbine Integral Gear Design

Staying true to NCON's minimalistic design philosophy, its Integrally Geared Turbines offer more with less; simple yet robust construction guarantees efficiency and uptime while being affordable and accessible to industries of all sizes.

Highly efficient

Robust

Reliable

Proven uptime of over 99%

Back-pressure or condensing

Controlled or uncontrolled extraction



Max. inlet steam pressure, temperature

65 Bar(g), 500°C

Max. exhaust steam pressure

20 Bar(g)

Power Capacity

upto 5000 kW

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**MICROGENERATION IS THE FUTURE
WE WANT YOU ALL TO BE A PART OF IT**