Process Heat Solutions

THERMAX

Efficient Process Heating Solutions for Diverse Industries

Conserving Resources, Preserving the Future.

Thermax is a leading conglomerate in the energy and environment space and a trusted partner in energy transition. Thermax's extensive portfolio includes clean air, clean energy, clean water and chemical solutions. Backed by its longstanding industry partnerships across multiple sectors, Thermax has cultivated strong expertise in audit, consulting, execution, and maintenance coupled with digital solutions, ensuring a unified energy-management experience. Leveraging its distinctive engineering capabilities, Thermax converts costs to profits while protecting the environment – a win-win for the industry and society at large.

PT Thermax International Indonesia (PT TII)

As a leader in process heating solutions since the 1960s, Thermax has been pioneering innovative solutions for a wide range of industrial and commercial applications. The company has scripted several innovations to support its clients.

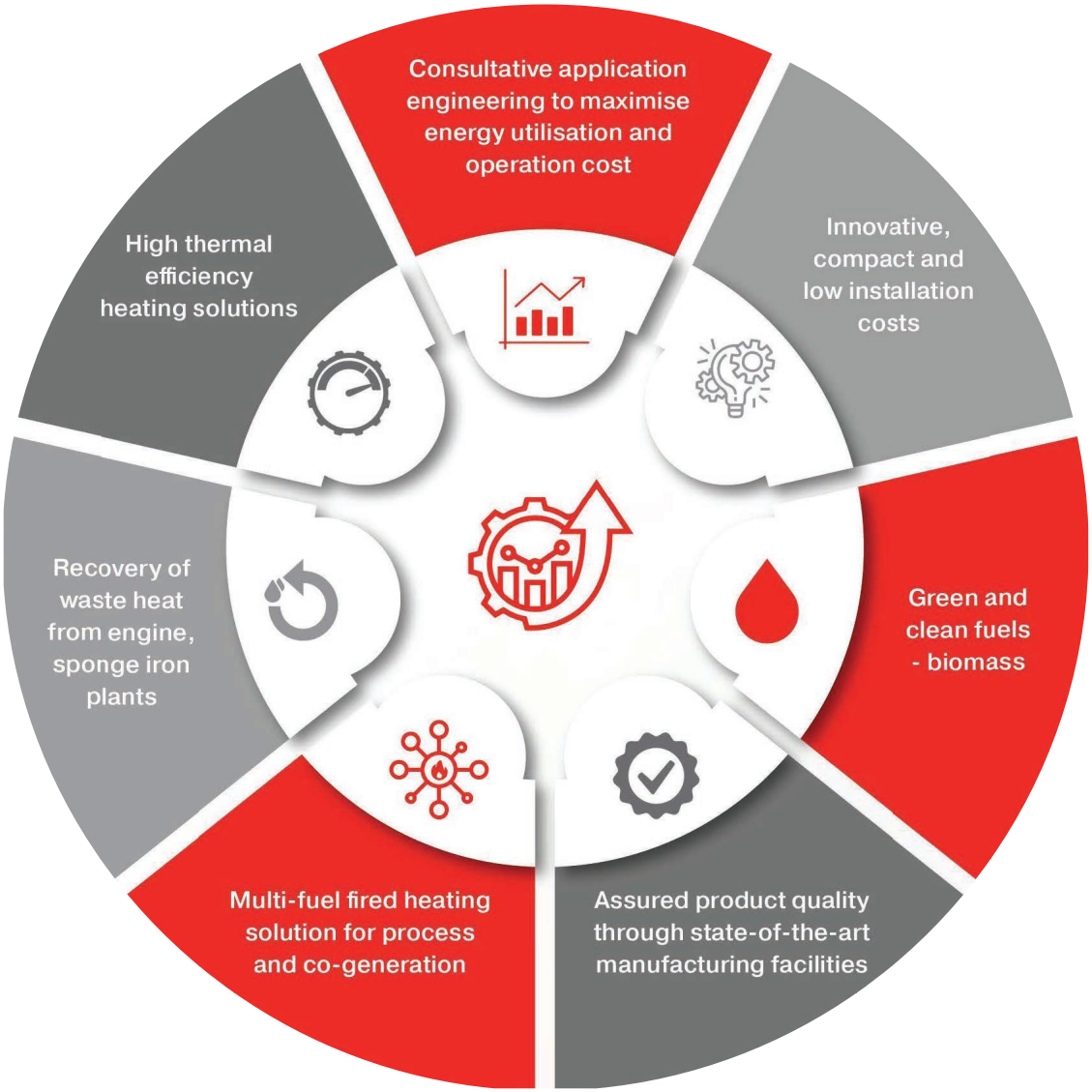
Established in 2014, PT Thermax International Indonesia (PT TII) extends Thermax's reach into Southeast Asia. Located in the Krakatau Industrial Estate, Cilegon, Banten, the facility is known for producing high-quality boilers, recognized by local customers for their performance. PT TII also exports large heating solutions, air pollution control systems, and water treatment plants across Indonesia and neighboring countries like Malaysia, Singapore, Thailand, Vietnam, and the Philippines.

As part of the Thermax Group, PT TII is driven by consistent research and development, ensuring that the region benefits from Thermax's world-class heating expertise and innovative, reliable solutions.

Robust Manufacturing Capability

Thermax has 14 state-of-the-art manufacturing facilities which build reliability and quality into the products and systems we supply to global clients. We have ten in India, one each in Denmark, Germany, Poland and Indonesia. These plants are certified to adhere to rigorous standards: ISO 9001: 2000, ISO 14001: 2004 and OHSAS 18001 : 1999. The facilities are inspected by Lloyds, Bureau Veritas, SGS and TUV.

Customer Benefits



Comprehensive Product Range

STEAM BOILERS | THERMOSYPHON | HOT AIR GENERATOR | THERMAL OIL HEATERS AND VAPORISERS

HOT WATER GENERATORS | WASTE HEAT RECOVERY BOILER | ENERGY PLANTS

Steam Boilers

Up to 50 TPH fired oil, gas and solid fuel boiler (over 150 types of fossil and biomass fuels) to serve number of capacities based on the applications.

Thermigen

Capacity: 1 to 5 TPH

Standard Design Pressure:
10.54 / 17.5 kg/cm²

Fuel: Solid Fuel / Biomass Fuel
Thermic Fluid Steam Generator

Thermeon-A

Capacity: 300, 500, 750, 1000, 1500, 2000 kg/hr

Standard Design Pressure:
7 kg/cm²; 10.54 kg/cm²

Fuel: Solid Fuel / Biomass Fuel
IBR and S-IBR Boiler

Combloc

Capacity: 1.5 to 10 TPH

Standard Design Pressure:
10.54 / 17.5 up to 32 kg/cm²

Fuel: Solid Fuel / Biomass Fuel

Combipac

Capacity: 4 to 30 TPH

Standard Design Pressure:
10.54 / 17.5 up to 32 kg/cm²

Fuel: Solid Fuel / Biomass Fuel

Shellmax

Capacity: 1 to 40 TPH

Standard Design Pressure:
10.54 / 17.5 up to 25 kg/cm²

Fuel: Oil / Gas

Powermax

Capacity: 6 TPH to 50 TPH

Standard Design Pressure:
11.25 / 17.5 (Saturated)
32 / 380 / 45 / 450 / 67 / 490 kg/cm²
(Superheated)

Fuel: Fuel: Solid Fuel / Biomass Fuel

Combustors: FBC / TG / RG

Note:
Above capacity/pressure/fuels are standard ranges and customised solutions are available according to process requirements.

Steam Boilers

Up to 50 TPH fired oil, gas and solid fuel boiler (over 150 types of fossil and biomass fuels) to serve a number of capacities based on the applications.

CB Optima

Capacity: 1.5 to 10 TPH

Standard Design Pressure:
11.25 & 17.5 kg/cm²

Fuel: Solid Fuel / Biomass Fuel

Ultrapac

Capacity: 4 to 12 TPH

Standard Design Pressure:
11.25 to 17.5 kg/cm²

Fuel: Solid Fuel / Biomass Fuel

Huskpac

Capacity: 2 to 6 TPH

Standard Design Pressure:
10.54 / 17.5 kg/cm²

Fuel: Rice Husk

Revomax Nxt

Capacity: 200 to 850 kg/hr

Fuel: Oil / Gas

Non-IBR, high-efficiency boiler

Thermosyphon

High pressure natural circulation steam heater up to 6 Mn Kcal/hr.

Thermosyphon – TS

Capacity: 0.2 Mn Kcal/hr
to 2.5 Mn Kcal/hr

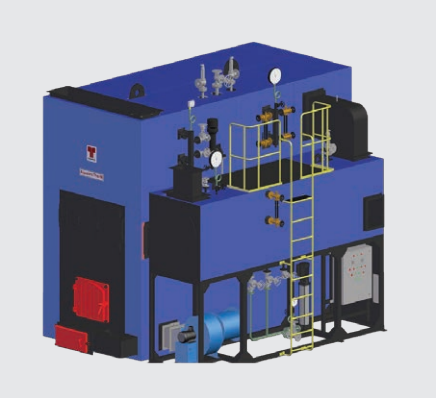
Fuel: Oil / Gas

Thermosyphon – SFTS

Capacity: 0.2 Mn Kcal/hr
to 6 Mn Kcal/hr

Fuel: Solid Fuel / Biomass Fuel

Hot Air Generator



AquaeroTherM

Capacity: 140°C – 180°C (Max.)

Fuel: Solid Fuel/Biomass Fuel

Max. Outlet Temperature: 140°C

Waste Heat Recovery Boilers

Heat recovery system on gas/oil engines capacity up to 5 MW waste heat recovery boilers on sponge iron exhaust flue gases.

Designed for recovering heat from flue gases of engines and turbines running on NG/HSD/FO/biogas.

Energen (ENSG)

Engine Capacity Range:
300 kW to 5 MW

Standard Design Pressure:
10.54/17.5 kg/cm²

Heat Recovery:
Recovery of 75% of exhaust heat

Thermic Fluid Heaters and Vaporisers

Thermal oil heaters range from 0.1 Mn Kcal/hr to 25 Mn Kcal/hr. All thermal oil heaters are made with a coil type design ensuring instant heat. Fuel options include heavy oil, light oil, gas, dual fuel, coal, husk, bagasse and other agro-waste fuels.

Vertical Thermopac – VT

Capacity: 0.1 Mn Kcal/hr to 3 Mn Kcal/hr

Fuel: Solid Fuel/Biomass Fuel

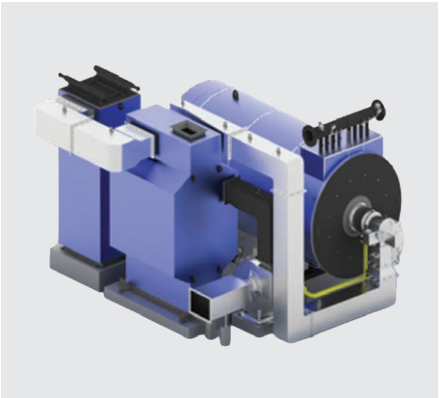
Temperature: 280/300°C

Thermopac Ultra (VTIF)

Capacity: 1 to 6 Mn Kcal/hr

Fuel: Solid Fuel/Biomass Fuel

Temperature: 280/300°C



Thermopac

Capacity: Up to 15 Mn kcal/hr

Fuel: Oil/Gas

Temperature: Up to 380°C

Horizontal Thermopac

Capacity: Up to 20 Mn kcal/hr

Temperature: Up to 380°C

Hot Water Generator

Hot water generator of up to 2.5 Gcal/h capacity and 140°C temperature on oil/gas fired and electricity.

Aquamatic

Capacity: 0.05 Mn Kcal/hr to 0.6 Mn Kcal/hr

Fuel: Oil/Gas Fired

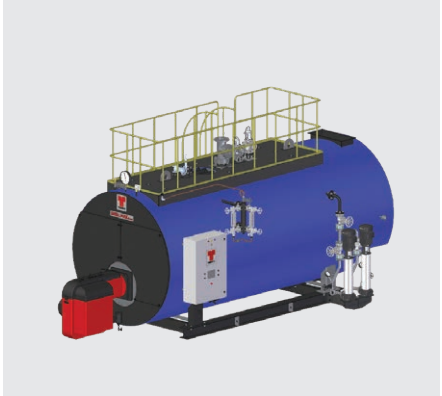
Max. Outlet Temperature: 90°C

Aquatherm

Capacity: 3 Mn Kcal/hr to 6 Mn Kcal/hr to 2.5 Mn Kcal/hr

Fuel: Oil/Gas Fired

Max. Outlet Temperature: 140°C



Shellmax – SMW

Capacity: 0.5 to 5 Mn Kcal/hr

Fuel: Oil/Gas Fired

Max. Outlet Temperature: 180°C

Aquanexa E Series

Aquanexa EHT (High Temperature)

Heating Capacity (kW):
34 kW / 78 kW / 153 kW

Rated Hot Water Outlet Temp.:
75°C

Aquanexa ELT (Low Temperature)

Heating Capacity (kW):
9 kW / 19 kW / 35 kW / 50 kW / 85 kW

Rated Hot Water Outlet Temp.:
55°C

Electric Heating Solutions

Thermotron

Capacity: 0.4 TPH to 6 TPH

Standard Design Pressure:
10.54 kg/cm²

Effitron

Capacity: 50 to 400 kg/hr

Standard Design Pressure:
10.54 & 17.5 kg/cm²

Energy Plant

Energy plants providing combines steam, hot water thermal oil through common source using biomass/fossil fuels. Offering multiple media such as steam, thermal oil and hot gas.

Energy Plant

Capacity: Up to 97 MW

Fuel: Multi-Fuel Firing

Conserving Resources,
Preserving the Future.

THERMAX


Air Pollution Control


Boiler and Heater


Build-Own -Operate


Chemical


Cooling


Projects and Energy Solutions


Process Heating


Renewable Energy


Water and Waste Solutions

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The photographs used in the brochure are indicative and may not match the actual plant

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