

Specialised and Critical Shell & Tube Heat Exchangers for Refineries, Fertilisers, Petrochemicals & Power Plants





ISGEC achi Zoser Limited

SGECTITAN Metal Fabricators

Isgec Heavy Engineering Ltd., is a multiproduct, multi-location public company that has been providing engineering solutions to customers located in 90° countries across 6 continents, over the past 85 years.

Joint Venture with Hitachi Zosen Corp., Japan for

the manufacture of Specialised & Critical

Process Equipment for Refineries, Fertiliser,

Petrochemical & GTL Industries, across the world. The plant is located at Dahej, Gujarat, India.

Joint venture with TITAN Metal Fabricators,

Camarillo, CA USA to manufacture corrosion-

resistant process equipment and provide the

next generation of reactive alloy equipment to global customers in the Chemical, Petrochemical, Refinery, Fertiliser, Mining, Power, Pharmaceutical, and Steel Industries.

For Process Plants

(Refinery, Petrochemical, Fertiliser, Renewable Energy)

• Process Gas Waste Heat Boiler including Steam Drum and Auxiliaries

PRODUCT RANGE

- Breech-Lock Type High Pressure Heat Exchangers
- · High Pressure Shell & Tube Heat Exchangers in:
 - Low Alloy Steel
 - Duplex & Super Duplex Steels
 - Inconel
- Stainless Steels - Cupro Nickel
- Brass
- Helix Heat Exchangers
- Ammonia Synthesis Loop High Pressure Shell & Tube Heat Exchangers

For Power Plants

- HP Feedwater Heaters
- LP Feedwater Heaters
- Water Cooled Surface Condensers
- Boiler Drums
- Site Fabricated Equipment
- Insitu modification & repair of Critical Equipment at site (Packinox Heat Exchanger, Breech Lock overhauling etc.)







STRATEGIC PARTNERSHIPS

- · Amec Foster Wheeler (part of Wood Group): Licensing Agreement for manufacturing of HP & LP Feedwater Heaters & Condensers.
- TEi (formerly Struthers Wells, USA): Licensing Agreement for manufacturing of Breech Lock Closure Type Heat Exchangers, Waste Heat Recovery Boilers, Sulphur Condensers, Solar Thermal Heat Exchangers.
- CB&I Technology Inc., USA: Technology backup for Helix Heat Exchangers.

ACCREDITATIONS

- ASME 'S' 'U' & 'U-2' Stamps
- National Board, USA 'R' Symbol
- National Board, USA 'NB' Mark

ISO 9001: 2015 ISO 14001: 2015 ISO 45001: 2015 OHSAS 18001: 2009

CE Marking

Chief Inspector of Boiler (IBR)

GOST



INFRASTRUCTURE

- · Cold Rolling Capacity: 250 MM
- · Grit Blasting and Painting Room
- Deep Hole Gun Drill Machine (up to 1000 mm depth)
- · Water Jet Cutting Machine
- Automatic Tube Bundle Inserter
- · ESSC Strip Cladding
- PWHT Furnace
- Intermediate Tube to Tube Sheet joints Expansion
- Single Piece Equipment handling Capacity: 400 MT
- Inner Bore Welding
- Automatic Tube to Tube Sheet joints Welding

APPROVALS

- · Haldor Topsoe
- KBR
- Toyo
- Casale
- · Engineers India Ltd.
- Shell

- IOCL
- McDermott
- Saipem
- Exxon Mobil
- BP
- ThyssenKrupp









Heli Tower

GE

GNFC Ltd., India

SOME OF OUR PRESTIGIOUS CLIENTS

Air Liquide, USA Gujarat State Fertilizers & Chemicals Ltd., India Air Products Thai Oil, Thailand Hindustan Petroleum Corp. Ltd., India Bharat Petroleum Corp. Ltd., India HMEL, India Brahmaputra Fertilizer, India Braskem Idesa Servicios, Mexico Burrup Fertilizer, Australia JGC, Japan British Petroleum KBR, USA Casale, Switzerland Canada Natural Resources, Canada Chambal Fertilizers & Chemicals Ltd., India Chennai Petroleum Corp. Ltd., India Daelim, Korea ExxonMobil, Thailand Engineers India Ltd., India Fluor

Indian Oil Corporation Ltd., India IFFCO Ltd., India Kribhco Ltd., India Linde, Germany Lurgi, Germany Maire Tecnimont, Italy McDermott (CB & I) National Fertilizers Ltd., India Nuclear Power Corporation of India Ltd., India NTPC, India PDIL, India

Petrofac, UAE

PDO, Oman Qatar Petroleum, Qatar Rashtriya Chemicals & Fertilizers Ltd., India Reliance Industries Ltd., India Shell Samsung, Korea Saipem, Italy Siemens Ltd., India SABIC, Saudi Arabia Toyo, Japan Technip Energies, Abu Dhabi, UAE ThyssenKrupp Uhde, India Tecnicas Reunidas, Spain

Total, France Toshiba India Pvt. Ltd., India Wood, USA

HP Heat Exchanger for a Refinery in India







Site Fabricated Columns





Site Fabricated Reactors Site Fabricated Purge Bin



TESTING FACILITIES

- Radiography
- Helium Leak Testing
- PAUT / TOFD
- · Positive Material Identification (PMI)
- Impact Testing down to -196°C (-321°F) •
- · Tensile Testing
- Hydro Test Pressue up to 650 Kg/Cm²
- NABL Approved Lab
- IGC Testing
- Hardness Testing
- Magnetic Particle Testing
- Dye Penetrant Testing
- Ferritoscope
- · Tube to Tube Sheet Joints RT & UT













OTHER ISGEC OFFERINGS

EPC Projects • Boilers • Sugar Plants & Distilleries • Air Pollution Control Equipment Presses • Castings • Bulk Material Handling • Contract Manufacturing



ISGEC HEAVY ENGINEERING LTD.

Marketing

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