



CHEMICAL PROCESS PLANTS



ENGINEERING FOR EXCELLENCE



Isgec Heavy Engineering Ltd. is a prominent Indian multi-product, multi-location public company with a 92-year legacy in providing engineering solutions globally. Originally established in 1933 as Saraswati Sugar Syndicate, the company was founded to address India's need for a domestic capital goods industry.

The company began as a sugar mill and has since diversified into a global engineering powerhouse. Key milestones in its growth include a strategic agreement with John Thompson Ltd., UK, for boiler manufacturing in 1959, and a pivotal joint venture in 1965 that formed Isgec John Thompson Ltd. for boiler design and services. A significant rebranding occurred in 2011 when the company name was changed from Saraswati Industrial Syndicate Ltd. to Isgec Heavy Engineering Ltd., consolidating all businesses under a single brand.

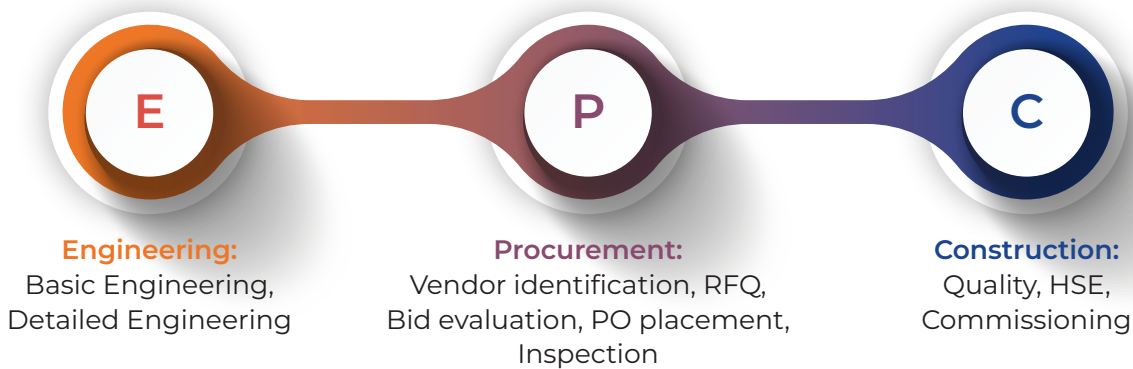
- Global operations in over 92 countries.
- Diverse portfolio: process equipment, EPC, boilers, sugar plants, and air pollution control.
- Expanded through acquisitions like Canada's Eagle Press & Equipment Co. in 2018.

Key strengths

950+ projects across 49 countries

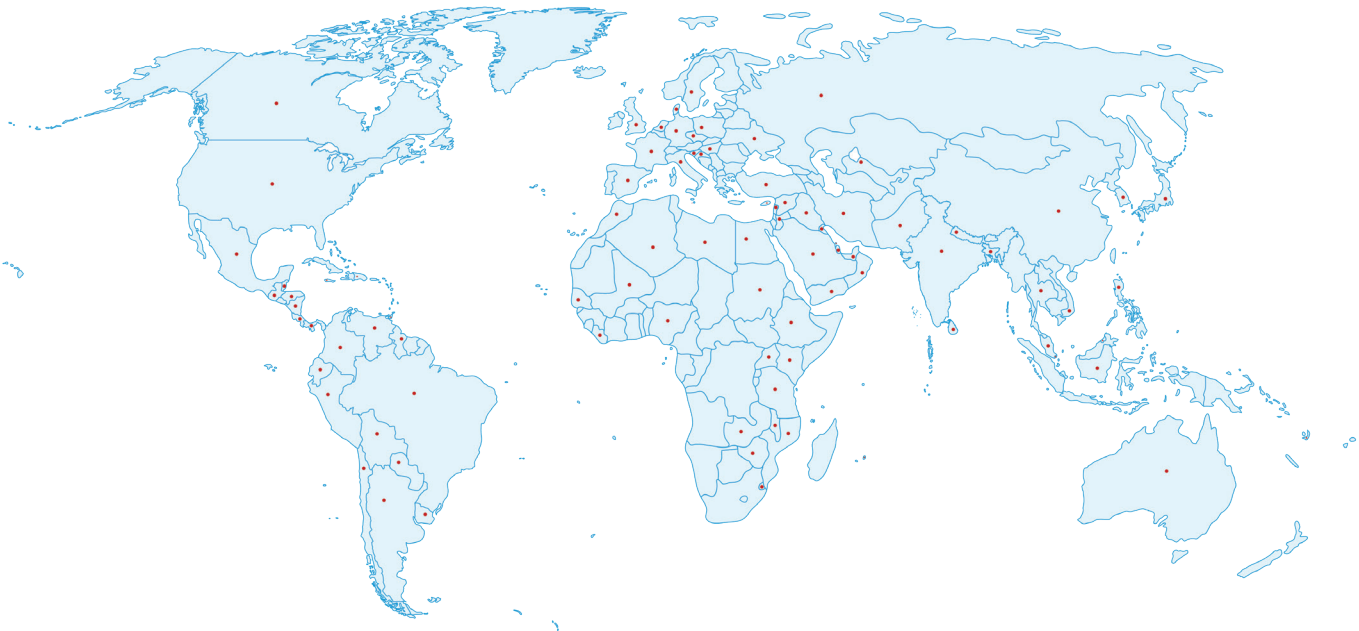
Full-spectrum engineering from design to commissioning

In-House fabrication for critical equipment



Global Presence

Clients Across 92 countries



Refineries / Oil & Gas



- Sulphur Recovery Unit (SRU)
- Flare System
- Utilities & Offsite Packages

PROJECTS OFFERED

Chemicals



- Chlor Alkali plants
- Sulphuric Acid
- Ammonia
- Formaldehyde
- Calcium Chloride
- Hydro Chloric Acid
- Sodium HypoChlorite
- Stable Bleaching Powder
- Chlorinated Paraffin Wax
- Poly Aluminium Chloride
- Balance of Plant Packages
- Ethyl Acetate
- Monochloro Acetic Acid (MCAA)
- Chloromethanes
- Single Super Phosphate (SSP)

Renewable Energy



- Green Ammonia
- Green Hydrogen
- Hydrogen Peroxide
- Carbon Capture

200 TPD Formaldehyde Plant, Assam Petrochemicals Ltd.



MAJOR CHEMICAL PROCESS PROJECTS

DELIVERING END-TO-END TURNKEY SOLUTIONS FOR THE WORLD'S LEADING CHEMICAL AND REFINING ENTERPRISES



600 TPD Sulphuric Acid Plant

Gujarat State Fertilizers & Chemicals Ltd. (GSFC)



300 TPD Sulphuric Acid project

Mangalore Chemicals & Fertilisers Ltd (MCFL)



200 TPD Formaldehyde Plant

Assam Petrochemicals Ltd.



160 TPD Sulphur Recovery complex

IOCL Barauni Refinery Upgrade



Power plant (BOP)

GACL-NALCO Alkalies & Chemicals Private Limited,



3000 MT of structural steel and critical reactors

HMEL (Guru Gobind Singh Refinery)



600 TPD Sulphuric Acid Plant,
Gujarat State Fertilizers & Chemicals Ltd. (GSFC)

OUR OFFERINGS TO PROCESS INDUSTRIES

1. Process Equipment

- Columns
- Pressure Vessels
- Reactors
- Shell & Tube Heat Exchangers

2. Process Skids & Modules

3. Power Plants

4. Boilers

- Fired & CFB Boilers
- Waste Heat Boilers

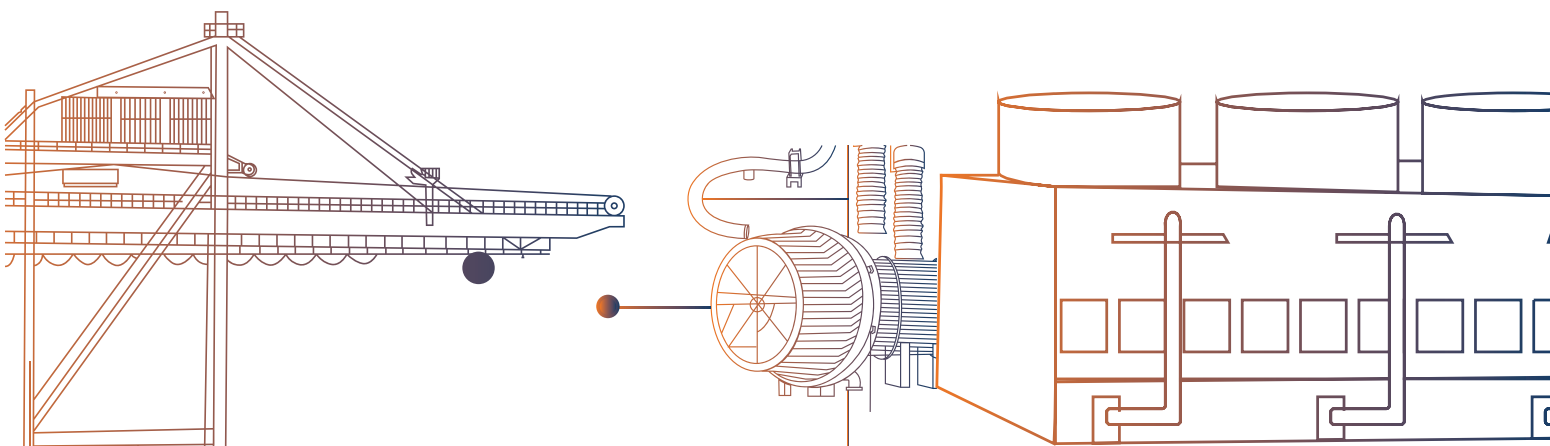
5. Prefabricated Piping Spools

6. Iron Castings

- Cast Iron Carbonation Towers
- Castings for Pre-heaters & Condensers (Soda Ash Industry)
- Sulphonator Vessels (Dye Stuff Industry)



STRATEGIC TECHNOLOGY PARTNERSHIPS



A FEW MAJOR CLIENTS

Trusted by Industry leaders worldwide



OTHER ISGEC OFFERINGS

Manufacturing

Presses & Press Brakes | Process Equipment | Castings | Liquified Gas Containers | Boiler Pressure Parts
Prefabricated Piping Spools | Process Skids & Modules | Contract Manufacturing



Hydraulic & Mechanical Presses



Critical Process Equipments



Castings for Steel Plants



Boiler Pressure Parts



Piping Spools



Skids & Modules



Liquified Gas Containers



Tantalum Bayonet Exchanger

Industrial Projects

Boilers | Power Plants | Sugar Plants | Bioenergy (Distillery & Compressed Biogas)
Emission Control Solutions | Material Handling | Railway Projects | Chemical Process Plants



Industrial Boilers



Sugar Plants & Machinery



Distilleries



Captive Power Plants



Bulk Material Handling



Electrostatic Precipitators (ESP)

*Our Engineers are Ready to Deliver
your next Success Story*



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