



Isgec Hitachi Zosen Limited

Engineering the Future of Critical Process Equipment



Coke Drum (Dia. 31 ft)

Our Capabilities

A Strategic Indo-Japanese Partnership Delivering Proprietary and Critical Process Equipment Globally

Isgec Hitachi Zosen Limited combines the legendary technical expertise of Hitachi Zosen Corp., Japan (now Kanadevia) with Isgec's manufacturing prowess. We are strategically located at the port town of Dahej on the west coast of India, having our own dedicated Ro-Ro jetty.



Scale of Fabrication

We are one of the few facilities globally capable of fabricating and handling:

- Single-piece equipment up to 2,400 Metric Tons
- With the under hook height of 57 ft
- Overhead 500 MT crane capacity
- Featuring a 33 ft Diameter Vertical Turning Lathe (300 MT capacity)
- Cold rolling up to 10 inches

Precision Engineering

Highly precise fabrication techniques including fabrication of multiple wall high pressure shells by shrink fitting

Advanced Metallurgy

Mastery in fabricating a wide spectrum of metals including:

- Low alloy steels including Cr-Mo , Cr -Mo -V Steel
- Duplex & Super duplex Stainless steels including Urea grades
- High Nickel alloys such as Monel, Inconel
- Titanium

Unmatched Testing

Best in class facilities including 9 MeV Linac-Radiography, PAUT & TOFD. This allows for accurate non-destructive testing ensuring 100% integrity of ultra high pressure retaining welds

Distinct Advantage of Working with us



Direct Port Access (Ro-Ro Jetty)

IHZL operates its own private Ro-Ro Jetty at the Dahej plant, allowing for the direct barging of Over-Dimensional Consignments to international waters



Critical Process Equipment

Exclusive focus on high-technology & process critical equipment like Ammonia Converters, Urea Reactors, Urea Stripper, Coke Drums, and Hydroprocessing Reactors

We deliver quality on time

Product Portfolio

Optimized for over-dimensional consignments and critical process technologies for the Fertilizer and Oil & Gas sectors.

Urea Reactor



Ethylene Oxide Reactors



Fertilizer Sector (Ammonia & Urea Plants):

- Ammonia Units: Ammonia Converters, Converter Baskets, Unitized Chillers, and Syn-loop Boilers, CO₂ Stripper, CO₂ Absorber, Secondary Reformers, Waste Heat Boilers & Steam Superheaters, LP-HP Flash Drum
- Urea Units: Urea Reactors, HP-LP Decomposers, Urea Strippers, Carbamate Condensers and Hydrolyzers

Petrochemical & Chemical Process Equipment:

- Reactors for Poly silicon Projects
- PVC Reactors, VCM Oxy-Chlorination Reactors
- Butanol Reactors
- Proprietary Reactors for PTA Methanol production
- Ethylene Oxide Reactors
- IPA Reactor

LC Fining Reactor



Refinery & Gas:

- Hydroprocessing Reactors: DHDT, HDS, and VGO-MHC Reactors and LC Fining Reactors
- FCC Reactors
- Coke Drums
- High-Pressure Hot & Cold Separators
- Large Distillation Columns
- Tertiary Separators and Gas-Gas Shell & Tube Heat Exchangers
- High-Pressure Heat Exchangers and Hydrogen (H₂) Bullets
- Gas-to-Liquid Reactors

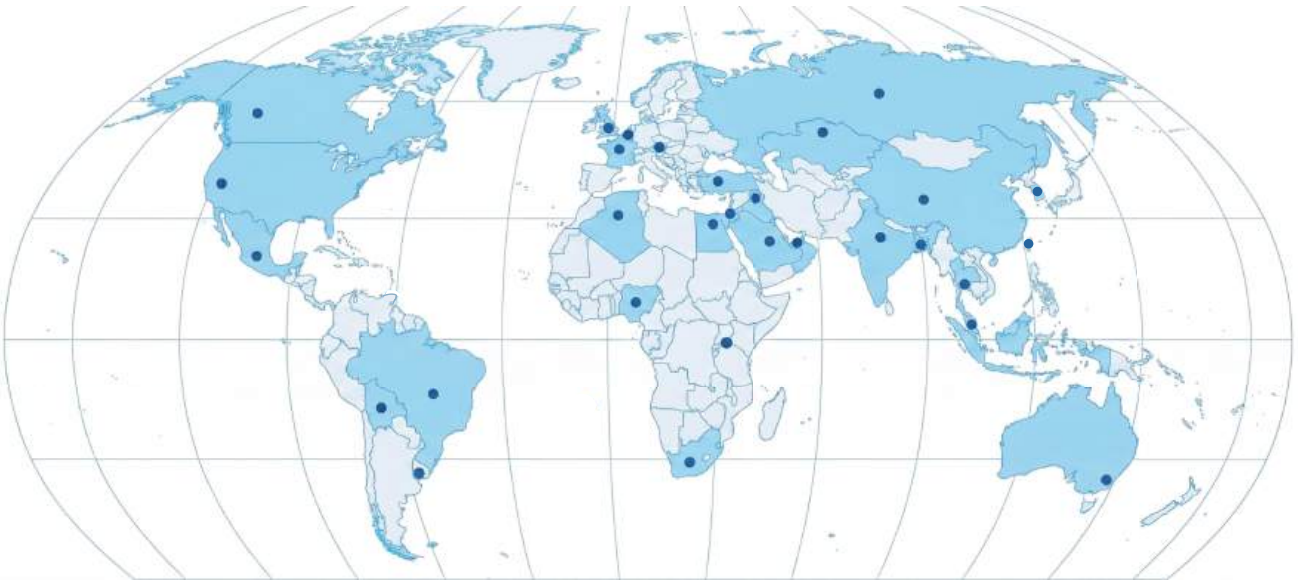
Heavy Logistics Products

Ammonia Converter



Global Reach

Delivered high-performance equipment globally



Major Customers



Major Projects



Cr-Mo-V Reactors for ExxonMobil,
Antwerp Refinery in Belgium



C2 Splitter Column supplied to Mexico



Topsoe Technology Ammonia Converter Shell
for a Fertilizer Plant



Reform Gas Waste Heat Boiler

Why Clients Choose IHZL

- **Engineering Certainty:** Japanese QA/QC protocols integrated into every step
- **Project Transparency:** Dedicated Project Management Teams providing real-time digital updates and Third-Party Inspection coordination (Lloyd's, BV, SGS)
- **Safety First:** A world-class HSE culture focused on zero-incident execution

VGO-MHC Reactor



HCR Reactor



Product Splitter



HDS Reactor for Hail & Gasha Project of Adnoc, UAE



Isgec Jetty at Dahej



Isgec Hitachi Zosen Limited

Dahej SEZ, Gujarat, India (Strategic Coastal Hub)

Web: www.isgec.com

Email: pedsales@isgec.com, pa_sales@kanadevia.com

