

— PROCESS EQUIPMENT

Process Skids, Pressure Vessels & Heat Exchangers

Design, manufacture, testing & supply of process equipment — including storage tanks and distillation columns — for oil & gas, refining and petrochemical projects.

NOW ASME "U" STAMP AUTHORIZED



ASME BPVC SECTION VIII, DIV 1

Engineering unlimited

01	A commitment to quality	04	08	Product range	15
02	Credentials & authorizations	05	09	Exchanger components	18
03	Fabrication infrastructure	09	10	Fabrication envelope & grades	20
04	Shop capacity	10	11	Plant & machines	21
05	Your preferred partner	11	12	Executed references	22
06	Factory layout	12	13	Our customers	23
07	Skids & modular packages	14	14	Key pre-qualifications	24

01

Who we are

Founded in 1978 by Mr. R.K. Bhatia. Over 40 years in heavy diversified fabrication, manufacturing out of Badlapur, Maharashtra.

A COMMITMENT TO QUALITY

Founded in 1978 by Mr. R.K. Bhatia, John Galt International has believed in customer satisfaction, through innovative fabrication, emphasis on quality and superior products.

Our expertise lies in design, manufacturing and supply of process equipment.

- **Storage tanks and bullets**
- **Pressure vessels and reactors**
- **Heat exchangers**

Our manufacturing is based out of Badlapur, where we have a 15,500 square meter state of the art manufacturing facility and another 2,400 square meter machine shop in close proximity.

Collectively, the engineering team at John Galt has over 200 years of manufacturing experience.

- **Distillation columns**
- **Boilers**



Distillation Column made for M/S Best Value Chem, in SS304

FACILITY AT A GLANCE

Fabrication area	15,500 m ²
Machine shop	2,400 m ²
Workmen	150+
Team experience	200 years

Certified to build to global codes

— A GLOBAL ENGINEERING MILESTONE

NOW ASME "U" STAMP AUTHORIZED

Authorized to manufacture and certify pressure vessels in accordance with **ASME BPVC Section VIII, Division 1** — audited and registered under ASME Company ID 118610.

MANAGEMENT SYSTEMS

Quality, environmental and occupational health & safety management systems certified to **ISO 9001, ISO 14001 and ISO 45001**. IBR certified workshop and RDSO approved bridge girder fabricators.

Authorized to fabricate, licensed to supply

ASME "U" Stamp Facility

Pressure vessels designed, fabricated and stamped to ASME BPVC Section VIII, Division 1 in house. ASME Company ID 118610.

PESO-Approved SMPV Pressure Vessel Fabrication Shop

Licensed for static and mobile pressure vessels, unfired.

ADNOC

Approved for

- Underground Tanks
- General Purpose Tanks
- Cyclones
- Silos

EIL Provisionally cleared for enlistment (August 2026) for **Heat exchangers and Pressure Vessels in Carbon Steel and Stainless Steel.**

— BY THE NUMBERS

Fifty years of built capacity

17+

EOT Cranes in Concreted Bays

28,093

m²

Total plant area, Badlapur

100

tonnes

Crane capacity in tandem

150+

workmen

Plus 4 Level 2 NDT engineers



Capability

Rolling, forming, welding, post-weld heat treatment, radiography, ultrasonic and dye-penetrant examination and hydrotesting — all on one site at Badlapur.

PROCESS EQUIPMENT

FABRICATION INFRASTRUCTURE

- 6 bays of 20 meter span * 75 meter length
- Height of lift from 9 meters to 14 meters
- EOT Cranes 5 cranes of 25/10T and 10T in each bay
- 30+ SMAW, 20+ CO2 machines, 3 SAW welding machines with track for Girder Welding
- Pipe/tube bending machine
- Plate pressing and rolling machine 3000 mm width * 100mm thickness
- Project tracking in MS Projects
- Oxy Acetylene CNC Plate cutting and bevelling machine
- 4 portable Core drill machines 50mm dia, and 100mm depth, 2 radial drill machines
- Latest authorised software – PVElite, Solidworks
- Necessary welding manipulators
- Inhouse Copper Slag Blasting and Painting Facility
- Complete set of calibrated instruments
- Office space available for client inspection
- 150+ Workmen
- 4 Level 2 Qualified NDT engineers
- 1 Design head and 3 Draftsmen
- 2 Project engineers and 8 Production Engineers
- 5000 sq feet stores room

What the shop can take

PLATE ROLLING · CS

Up to 100 mm, cold-formed

PLATE ROLLING · SS

Up to 40 mm, segregated tooling

DISHED ENDS

Up to 5,000 mm diameter, two presses

CRANE CAPACITY

100 tonnes in tandem

HEIGHT UNDER CRANE

14 m — full mock assembly

COVERED AREA

15,500 m² + 2,400 m² machine shop

Rolling, forming, welding, post-weld heat treatment, radiography, ultrasonic and dye-penetrant examination and hydrotesting — all on one site at Badlapur, with traceability from mill certificate to despatch.

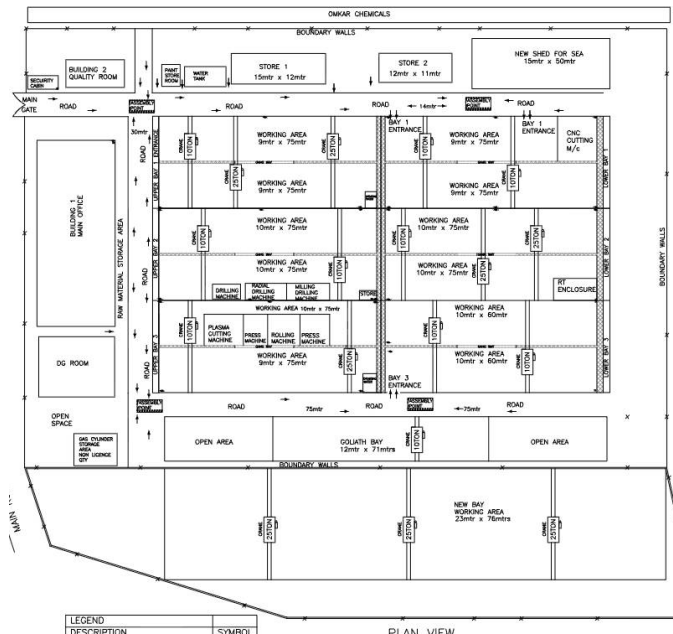
JOHN GALT

YOUR PREFERRED PARTNER

- Total Quality Management Certified
- Over 40 years in Heavy Diversified Fabrication
- Physical proximity — under 60 km from airport, 1 km from railway station and 30 km from nearest port. Located on state highway
- Advance knowledge about manufacturing of process equipment
- Scalable infrastructure with over 15,500 sq meters of fabrication area
- Mock assembly possible due to 14 meters height under crane
- Availability of 1500 meter warehouse
- Real time job progress visibility through Live CCTV feed
- Detailed documentation — material traceability to final dispatch
- In-house fabrication, machining, assembly, sandblasting & painting

JOHN GALT

FACTORY LAYOUT



PLAN VIEW · BADLAPUR, MIDC

FACTORY AREA — SQ M

Main office	9,375
East shed	750
Goliath bay	852
New west bay	1,748
Total area under crane	12,725
Store 1	180
Store 2	132
Open area	15,056
Total	28,093

03

Product range

Skids and modular packages, desalination and water treatment equipment, storage tanks, heat exchangers, aluminium tanks and high pressure autoclave systems.

SKIDS & MODULAR PACKAGES

INTEGRATED · ENGINEERED · READY-TO-INSTALL

John Galt International designs and manufactures custom-engineered modular process skids for the oil & gas, petrochemical, and power sectors. Each package is fully assembled, wired, and tested at our factory — minimizing site work, risk, and commissioning time.



OUR EXPERTISE

- **Process & Utility Skids:** Fuel Gas Conditioning, Filtration, Chemical Dosing, Lube Oil, Water Injection, and Condensate Recovery Systems.
- **Hydraulic & Pneumatic Systems:** Valve actuation panels, test rigs, and control skids.
- **Heat Transfer Modules:** Cooling water and glycol systems, shell & tube or plate exchangers, and temperature-control packages.
- **Custom Solutions:** Modular shelters and integrated piping assemblies for refineries, terminals, and power plants.

CAPABILITIES

- **End-to-end execution:** 3D design, detailed engineering, fabrication, piping, instrumentation, wiring, and FAT under one roof.
- **Certified manufacturing setup:** ISO 9001, 14001 & 45001 certified facility with qualified welders, IBR-approved procedures, and full traceability documentation.
- **Heavy skid fabrication:** up to 100 MT with pre-piped, pre-wired assemblies for plug-and-play installation.
- **Global project experience:** successfully supporting EPCs and OEMs supplying to ADNOC, ARAMCO, PDO, and EIL-based projects.

DESALINATION & WATER TREATMENT EQUIPMENT

John Galt International manufactures pressure vessels and filtration packages for desalination, power, and industrial water treatment plants. With in-house design, fabrication, and testing capabilities, we deliver equipment that meets the high standards of EPCs and OEMs operating across the Gulf and North Africa.

PRODUCT RANGE

- **Dual Media Pressure Filters (DMPF):** for pre-treatment and tertiary polishing applications.
- **Activated Carbon Filters:** for chlorine removal and organic adsorption.
- **Cartridge and Bag Filter Housings:** precision-machined heads, quick-release covers, and corrosion-resistant internals.
- **Pressure Vessels for RO Systems:** high-integrity fabrication for seawater and brackish water RO units.
- **Clarifier and Thickener Vessels:** carbon steel and stainless steel constructions for intake and brine management systems.

CAPABILITIES

- **Design:** As per ASME Sec VIII Div. 1 / IS 2825 / API 650, tailored for seawater service.
- **Material Expertise:** Carbon Steel, SS 316L, Duplex & Super Duplex (UNS S32205/S32750), Cu-Ni, and Rubber- or Epoxy-lined interiors.
- **Testing:** Hydrostatic, Pneumatic, Radiographic, PMI, DFT, and full internal coating inspection.
- **Manufacturing Capacity:** Filters up to 5 m diameter × 12 m length, handling design pressures up to 10 bar and weights up to 70 MT.



APPLICATIONS

Seawater Reverse Osmosis (SWRO) and Brackish Water RO plants · Power Plant Cooling Water and Demineralization Units · Municipal and Industrial Effluent Treatment Plants · Desalination Pre-treatment Skids for EPCs and OEMs

PRODUCT RANGE

STORAGE TANKS

We are pioneers in fabrication of storage tanks made of aluminum, stainless steel and carbon steel



SS-316L Storage tank

for Aarti Industries Limited · 9 m × 4.6 m · Limpet coils



Carbon steel tank, job J-624

Shell and dished ends assembled on saddles



200 KL LPG Horton sphere

Bangladesh client, under M/S Optech Engineering Pvt Ltd



Storage bullet on rotators

Final paint and inspection — Badlapur shop



Vertical tank despatch

Loaded out of Badlapur, November 2024

CAPABILITY

Mild Steel, Aluminum and Stainless Steel, all grades · Up to 500kl tanks handling capacity · In house hydraulic, pneumatic and LPT testing · 6mm – 40mm thickness handling capacity

PRODUCT RANGE

SHELL AND TUBE TYPE HEAT EXCHANGERS

MATERIAL OF CONSTRUCTION

- Austenitic Stainless Steel (All 300 series)
- Carbon Steel
- Hastelloy*
- Monel*
- Cu-Ni Alloys
- Duplex
- Alloy Steel
- Inconel*
- Nickel 200
- Titanium
- Super Duplex

SPECIFICATIONS

Shell diameter	Up to 5000 mm
Shell thickness	Up to 40 mm
Overall length	Up to 40 meters
Tube sheet thickness	Up to 1 meter
Max pressure	300 bar
Heat transfer area	1 m ² – 3000 m ²
Maximum weight	Up to 300 MT



SS-316L Heat Exchanger
for Thermax Limited — Designed by John Galt



Tube bundles ready for shell
Stainless tube nests with baffles and tie rods



U-tube bundle assembly
Bundle strapped and checked before insertion



Tube-to-tubesheet expansion
Rolling and leak testing in the shop

HEAT EXCHANGERS COMPONENTS IN HOUSE

Tubesheets, baffles, flanges and channel rings machined, drilled and assembled at Badlapur



Machined channel flange

Bolt holes drilled and gasket faces machined to tolerance



Tubesheet drilling

Drilled on the shop's radial machine



Tubesheet and baffles

Matched drilling across the set



Baffle plate marking

Layout checked before assembly



Forgings and dished ends

Machine shop, 2,400 m² alongside the plant

PRODUCT RANGE

ALUMINIUM TANKS & AUTOCLAVE SYSTEMS



75kl Aluminium Tank with sun roof for M/S Deepak Chemtech Limited

- 200 kl Aluminium Tank in 99.6% Aluminium for Aarti Industries Limited



Clamping cylinders along with power packs are used to hold the autoclave in position

We have created autoclave systems for clients like Assam Carbon, Morgan Advance Ceramics, and Mercen. These are used to impregnate copper with graphite. End application is for creating contact points with high voltage lines on railway pentographs.

FABRICATION ENVELOPE AND MATERIAL GRADES

ENVELOPE

Max shell diameter	Up to 5,000 mm OD; 10,418 mm ID on large dished ends
Max vessel length	Up to 40 metres overall
Shell rolling	3,000 mm wide x 100 mm thick, SA 516 Gr. 70
Shell thickness	6–100 mm rolled; dished ends 6–78 mm
Max unit weight	Up to 300 MT, fabrication and assembly
Max design pressure	300 bar, shell & tube heat exchangers
Tubesheet drilling	CNC BTA deep-hole to 1,000 mm deep, Ø 10–85 mm
Heat transfer area	1 m ² to 3,000 m ²
Forming	2:1 elliptical, hemisphere, tori-cone, flat, concentric and eccentric cones, expansion bellows — hot and cold formed
Tank capacity	Up to 500 KL in CS, SS and aluminium

MATERIAL GRADES HANDLED

Carbon steel

SA 516 Gr. 60/70, IS 2062 E250 BR, SA 537 Cl.1, SA 515 Gr. 70

Stainless steel, austenitic

SA 240 Gr. 304, 304L, 316, 316L, 321, 347; SA 387 Gr. 11 Cl.1 Cr-Mo alloy

Duplex and super duplex

UNS S32205, UNS S32750 — executed for Aarti Industries on limpet coil jacketed vessels

Aluminium and special alloys

SB 209 Al 1060 H112, Al 6061-T6; Hastelloy C276, Inconel, Monel, Cu-Ni, Nickel 200, Titanium

TESTING, IN HOUSE

Hydrostatic, pneumatic, LPT, MPT, radiographic co-ordination, PMI, DFT, full visual and dimensional. Third-party inspection by TÜV Nord, TÜV Rheinland, BVIS, Bureau Veritas, IR Class, SGS and Chempro.

The machines behind the envelope

Faccin HAVS 3170S plate rolling

Hydraulic four-roll, 3,000 mm wide × 100 mm thick in SA 516 Gr. 70. New machine.

Dae Yang CNC deep-hole BTA drilling

4,000 × 2,000 × 1,000 mm — tubesheets to 1,000 mm deep, Ø 10–85 mm.

Rafamet CNC vertical turning lathe

Poland built, 3,500 mm maximum swing for flanges and channel rings.

1,400 T and 500 T hydraulic presses

2,500 × 4,500 mm daylight for dished ends, cones and bellows. New machines.

JOBS 5-axis gantry VMC

10,000 × 4,000 × 1,500 mm, 5,800 mm between columns.

CNC plasma cutting

11,000 × 3,000 mm table, stainless up to 75 mm with bevel.

COVERED AREA

15,500 m² at Badlapur MIDC

MACHINE SHOP

2,400 m² dedicated CNC shop

CLIENT VISIBILITY

Live CCTV on job progress

LOGISTICS

Under 60 km to JNPT, 1 km to railway station

SELECT EXECUTED REFERENCES

PROCESS EQUIPMENT

ALL JOBS WITH FULL MATERIAL TRACEABILITY

CLIENT	EQUIPMENT	VOLUME / SIZE	TPI / STANDARD
Aarti Industries Ltd	200 KL aluminium storage tanks, Al 1060 H112 — multiple executions	200 m ³ each	TÜV Nord / BVIS
Danieli	Sand filters, SA 516 Gr. 70 vertical vessels — 10 off	100 m ³ each	TÜV Nord
Grasim Industries	SS 304 mixers with agitators — 27 vessels	10–50 KL	TÜV Nord
Deepak Fertilisers	Ammonia storage bullets, IS 736 horizontal; condenser E4308, 708 m ²	245 / 420 m ³	BVIS / TÜV Rheinland
Optech Engineering	LPG, propane and condensate bullets — multiple large vessels	260–450 m ³	SGS / TÜV Rheinland
BVC Specialities	SS 316 distillation columns — 4 off, up to 23 metres tall	ID 1,000–1,400 mm	TÜV Nord
Thermax Ltd	SS 316L shell & tube heat exchanger, designed by John Galt	Custom	Customer ITP
Reliance BP Mobility	PESO double-wall underground diesel tanks — 10 off	30 & 50 KL	TÜV Nord, PESO
Vinati Organics	SA 516 Gr. 70 and SS 316L vessels — ATBS, ACrN, isopentane service	5–51 KL	TÜV Nord
KBR, via L&T	SS 316L chiller, fabricated under Larsen & Toubro	Over 300 MT	Customer / L&T

OUR KEY CUSTOMERS



KNPC



Reliance BP Mobility Limited



Aarti Industries Limited



Yasho Industries



Thermax Ltd



Ion Exchange



Deepak Nitrite Limited



Deepak Fertilizers Limited



Deepak Chemtech Limited



Sudarshan Chemicals Limited



Silox India Limited



Best Value Chem Limited

KEY PRE-QUALIFICATIONS

PETROFAC
APPROVED

AD PORTS
APPROVED

ADNOC
APPROVED

VEOLIA SIDEM
REGISTERED

L&T
APPROVED

OOMCO
REGISTERED

KIPIC / KNPC
REGISTERED

ARAMCO
SAMSS-038

EIL
PREQUALIFIED

CS and SS · Pressure vessels and Heat exchangers



REPRESENTATION

Through Shorou International — LLC SPC (Sibca Group)

UAE

KSA

OMAN

KUWAIT

*Process Equipment Expertise — Engineered in India,
Delivered Across the Middle East*

Fifty years of process equipment — **designed, manufactured, tested and supplied** from Badlapur to the Gulf.

APPROVED BY ♦ **ASME "U" STAMP** ♦ **PESO** ♦ **ADNOC** ♦ **ISO 9001 · 14001 · 45001**

FACTORIES

Plots F-2 / B-21, M.I.D.C Industrial Estate,
Badlapur — 421 503, Thane, India.

Tel +91-251-2690120

Fax +91-251-2691550

MIDDLE EAST OFFICE

1135 Zayed The First Street, Abu
Dhabi, UAE

CONTACT

Abhay Bhatia, Jt. CEO · +91 98203
25285

abhay.bhatia@johngalt.in

Hassan Khalil · +971 56 876 8398

hassan.khalil@johngalt.in

WEB

www.johngalt.in

**ENGINEERED WITH DISCIPLINE.
BUILT TO GLOBAL STANDARDS.**

50 YEARS
1978–2028