The Company

SALZGITTER HYDRAULICS PVT. LTD. was incorporated in 1994 in technical collaboration with Salzgitter Hydraulics Stempel GmbH, Germany. It steadily expanded to grow both in size and diversity in the manufacture of custom made hydraulic products for various economic indexing sectors.

Salzgitter’s advanced engineering and design facilities enable the undertaking of jobs from concept to commissioning based on the actual performance data spanning over twenty years in various industrial applications.

As a testimony to our commitment to quality and on-time delivery, more that 50% of our business is from the top 10 blue chip companies of India and various MNCs.

Salzgitter undertakes hydraulic portion of project implementation from concept to commissioning in Infrastructure areas such as hydro projects, steel, cement, power generation and mining.

*Salzgitter is an ISO 9001:2015 certified company.*

The People

Salzgitter’s team of highly trained engineers in designs, production, quality and marketing all have over two decades of experience in hydraulics. Our design team plays a pivotal role in helping the customers optimize their product and project performance parameters.

Quality Policy

To maintain the position as supplier of quality products conforming to the relevant specifications and to build a high level of customer confidence and satisfaction through continual improvement of the quality system.
The Activities
Salzgitter Hydraulics Provides

1. Detailed Designs using Auto-Cad & ProE
2. Product Development
3. Proco typing
4. Manufacturing
5. Equipment Installation
6. Commissioning

The Projects

1. **Hydel / Irrigation Projects (Hydraulic Automation)**
   In-house capability to Design, Manufacture, Install and Commission hydraulic hoist systems (Hydraulic Cylinders, Power Packs and Controls) for radial & vertical intake gates.

2. **Steel Mills**
   Primary supplier for general and critical application hydraulic cylinders for major steel mills across India.

3. **Elevator**
   Designed and manufactured Hydraulic cylinder and power pack kits for residential and commercial elevators for over 500 installations all over India.
4. **Mining**
   a. #1 Manufacturer and supplier of flow control devices, hydraulic automation and roof support equipment to major mining companies of India.
   b. Salzgitter is the first company to get certified by the Bureau of Industrial Standards of India for 40 Te of Hydraulic props.
   c. Salzgitter is Directorate General of Mines Safety certified and approved.

5. **Automation of Hydraulic Presses**
   Salzgitter Hydraulics has developed Hydraulic Systems complete with PLC controls for hydraulic press applications of various capacities ranging up to 2000 Tons.

6. **Defense / Space**
   a. Developed a multistage telescopic cylinder for a simulator for the ISRO-SHAR project.
   b. Rotary Joint for the Counter Mine Flail Project T-72 Vehicle supplied to Godrej and DRDO

7. **Power**
   Servo meters of varied sizes designed, manufactured and supplied for use in power house of Hydraulic & Thermal Power Stations.

“From Concept to Commissioning”
Project Application Sectors

1. Steel
2. Power
3. Cement
4. Mining
5. Machine Tools
6. Hydel / Irrigation Dams
7. Heavy Earth Moving Equipment
8. General Engineering
9. OEMs
10. Oil & Gas
11. Aerospace
12. Defense
13. Elevators
14. Space

The Customers
Facilities & Capabilities

1. Facilities
   - State of the Art Machinery (CNC & Conventional).
   - 120 Ton Horizontal Test Rig for testing of 40 Ton OC Props and cylinders.
   - 500 Ton Vertical Test Rig for Testing of 200 Ton Legs and other cylinders.
   - Automated Test Rig with SCADA system for data acquisition.

2. Capabilities:
   - Salzgitter has a proven record of manufacturing custom designed products as per the customer requirements with a combination of CNC and Conventional machinery available in-house.
   - In-House design department with Licensed software such as AutoCad & ProE Wildfire, Math Cad, Etc.,

Some of the UNIQUE PRODUCTS manufactured are:

a. Hydraulic & Pneumatic cylinders up to 750mm bore and strokes up to 10000mm (Higher sizes on special request).

b. Hydraulic Systems / Power Packs with capacities up to 4000 liters and pressures up to 400 bar in any configuration (Higher capacities and Pressures on special request)

c. Developmental Products for companies such as SHAR-ISRO and VOITH Turbo

d. Lubrication Systems / Hydraulic systems for special applications such as thermal power plants, Dam gates & steel plants, etc.

e. Machining and assembly of specialized stop valves, auxiliary control valves for steam turbines application.

f. Multi-Port Rotary Joints / Pivot Joints / Swivel Joints upto 16 ports as per customer requirements.
1994 - 2018

- Salzgitter awarded **Award of the Millennium for Quality and Innovative Products** by Central Institution of Technical Development India.
- Salzgitter Awarded **Best New Product Development** award from Confederation of India Industries for development of **200T STDA Hydraulic Leg** for use in underground mines.
- All India manufacturers organization industrial award for best performance in **Import Substitution for Development of Hydraulic Products**. Salzgitter received Certificate of Appreciation for Innovative Leadership from Confederation of India Industry.
- Salzgitter, first company in India to get **BIS Certification for Hydraulic Props** used in underground coal mines.
- Salzgitter awarded **National Quality Award** by the Central Institute of Technical Development.
- Research and Development of **Automatic Hydraulic Loading System** for coal pulverizing bowl mills.
- Successfully designed and manufactured **16 port high pressure hydraulic cylinder** for vibration dampening for cement mills.
- Successful manufacturing of **Pneumatic Cylinders with bores up to 710mm** for use in hydraulic presses.
- Successful manufacturing of **Valve operators for sub-sea application** in Gulf of Mexico, USA.
- Successful design and manufacturing of **hydraulic cylinders with strokes up to 7.5 m**.
- Research, development and commissioning of **Test Rig for testing of gas turbine fuel nozzles**.
- Research and Development of all types of valves for underground mining application.
- Successful manufacturing of **hydraulic hoists with Automated Controls** for Hydro -electric and hydel dam projects.
- Turn-key services for Rubber Processing Presses, Hydro Power Projects and high pressure control valves for power generation projects by steam.
- Successful completion of machining and assembly of stop valves (steam Turbine application) for BHEL.
- Completed successful installation of **10 hydraulic hoists at Perla Mini-Hydel power project**
- Undertook and successfully completed machining & assembly of auxiliary control valves, stop valves, valve block casings etc. for BHEL.
- Enlisted as **quality vendor for all major MNCs** for supply of **Servomotors for Hydel powerhouse projects** - GE, Andritz, Fловел, Voith etc. Supplied for over 20 projects in India and overseas.
- Research and Development of **Hydraulic Lift** as a product. Introduced for residential home market and low rise commercial buildings.
- Successfully redesigned and refurbished **Propel & Auxiliary thrust hydraulic cylinders** for various tunneling & boring machines (TBM) in operation in India.
- Successfully designed and commissioned **Hydraulic Hoist for penstock intake gate automation with 9640mm stroke & 70+ tons capacity** for RIHAND Dam in UP.
- Designed & prototyped **special purpose hydraulic cylinder with twin barrels & piston rods** for SUB-SEA application (US customer).
- Designed and prototyped **hydraulic cylinder with built in pressure intensifier** capable of producing very high pressures upto 1400 BAR for ROCK SPLITTING application.
- Designed and prototyped a **three stage telescopic cylinder with a near frictionless ejection system** for ISRO.
- Developed a multi level **car parking system** for commercial and residential use.
100% Automation with Touch Screen PLC
Salzgitter Hydraulics Pvt Ltd

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