

SM

SM

## **Business Field**

Electromechanical and hydraulic assembly, instrumentation and equipment commissioning in the steel, mining, and oil and gas industries.

## **Our Mission**

To offer services of high quality standards to all our customers, on the 5 continents.  
To pay and yield a satisfactory return to our entire team.

## **Our Vision**

To be recognized as an efficient, innovative company that strives to exceed its goals in its business field. To participate in the development of the country and of society as a whole, aware that it is of its social and environmental commitment.

## **Our Values**

Transparency  
Ethics  
Quality  
Competence  
Respect for people  
Respect for the Environment

**It is with great satisfaction that we bring to you a profile of our company.** SM is a company that specializes in electromechanical assemblies and in the commissioning of industrial equipment in the steel, mining, car, oil and gas industries.

The SM technical team delivers services of guaranteed quality and under the strictest specifications to provide its customers with effective solutions.  
We are ready to Surmounting your Milestones.

SM operates on the National International and foreign market since 1997. Its technical staff has acquired its experience at the External Assembly Supervision and Technical Assistance Departments of Mannesmann Demag Ltda, currently named SMS Demag, for which it renders outsourced services of excellence in the fields of coordination and supervision of industrial electromechanical assemblies.

In charge of setting and starting up the project, it thereby fulfills the interest of our customers who receive an entire plant ready for operation in the lead time and with the quality that is required.

We develop a true spirit of partnership together with our customers, and take into account all the specific aspects of the enterprise so as to reduce any interference in the different assemblies to a minimum by taking into account the plant production flow, while always keeping the proper security standards and any valid directive for the premises in mind. Our know-how permit us to actuate in the following fields:

### **1. Contract and Project Coordination:**

1.1. Technical and Commercial Coordination of Requests:

### **2. Manufacture and Assembly Supervision and Inspection:**

2.1. Manufacture Supervision:

2.2. Quality Inspection and Control:

2.3. Instrumentation Services:

### **3. Industrial Machine and Equipment Supervision, Assembly, Maintenance and Commissioning:**

3.1. General Coordination of External Assemblies:

3.2. External Mechanical Assembly Supervision:

3.3. External Electric Assembly Supervision:

3.4. External Hydraulic Assembly Supervision:

3.5. Equipment Commissioning Supervision:

3.6. Mechanical Assemblies and Tubing:

3.7. Electric Systems and Instrumentation:

3.8. Industrial Machine and Equipment Maintenance:

3.9. Manufacture of Electromechanical and Hydraulic Equipment on Commission:

**4. Elaboration and Specification of Mechanical, Electric, Instrumentation and Hydraulic Projects:**

**5. Consultancy and Technical Assistance in the Fields of Mechanics, Hydraulics, Electricity and Instrumentation:**

**6. Industrial Equipment Automation Projects:**

SM's work philosophy is to supply effective, low-cost, high quality, services diligently to meet its customers requirements.

**Certain that we can be partners in the future, we provide you some information about our contact.**

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## PROJECTS EXECUTED:

V&M – Vallourec & Mannesmann Tubes – Belo Horizonte / State of Minas Gerais [“MG”]

- Technical Assistance:
- Continuous Ingot Casting
- LD Converter
- Automatic Laminator
- Reheat Furnace
- Oscillating Tables
- 80 ton Lade Furnace
- 80 ton. Vacuum Degasser (VD)

Minera Loma de Níquel / Anglo Gold Group – Venezuela

- Assembly Coordination and Commissioning:
- Reduction Furnace
- Lade Furnace
- Metal Granulation
- Alloy System

CBMM – Companhia Brasileira de Metalurgia e Mineração – Araxá /State of Minas Gerais [“MG”]

- Electric Assembly, Instrumentation and Mechanics Supervision:
- Sintering
- Dephosphorization and Sintering System
- Reduction Furnace for 10.5 MVA Dephosphorization
- 20 ton / 10 ton / 5 ton Rolling Cranes
- Effluent Treatment Plant
- Ball Mill

CBMM – Companhia Brasileira de Metalurgia e Mineração – Araxá /State of Minas Gerais [“MG”]

- Refining Electrical Furnace II for 4.5 MVA
- Dephosphorization Electrical Furnace II for 10.5 MVA
- Barrier water pumping unity
- Niobium Concentrate fluctuation unity
- Niobium Concentrate Mill III unity
- Electrical Power Installation main Power unity 13.8 KV

FERROSTAAL do Brasil / Cia. Siderúrgica Nacional – Volta Redonda / State of Rio de Janeiro [“RJ”]

- Assembly Coordination and Commissioning
- RH typed Degassing System and 50 ton Rolling Bridge
- 200 ton Lade Furnace

Mannesmann Demag Ltda / ACESITA – Timóteo / State of Minas Gerais [“MG”]

- Electric Assembly, Instrumentation and Mechanics Supervision
- Sendzimir Rolling Mill – MRPL Merger

Mannesmann Demag Ltda / Cia. Siderúrgica de Tubarão – Vitória / State of Espírito Santo [“ES”]

- Electric Assembly, Instrumentation and Mechanics Supervision
- Continuous Ingot-Casting Machine– Machine I and II
- RH Vacuum Degasser and 150 ton. Rolling Crane – Elevation Main 150 ton / Auxiliary 25 ton

Mannesmann Demag Hüttentechnik / ENAMI – Chile

- Assembly Coordination and Commissioning
- Reduction Furnace – Copper Slag Treatment

Mannesmann Demag Ltda / CODEMIN S.A. – Niquelândia / State of Goiás [“GO”]

- Technical Assistance
- Arc Furnace – Revamping

SMS Demag AG – Germany / Minera Loma de Níquel – Venezuela

- Assembly Coordination and Commissioning
- 45 MVA Reduction Furnace
- 02 80 ton. Rolling Cranes
- 150 ton Rolling Crane

Cegelec / Cia. Siderúrgica de Tubarão – Vitória / State of Espírito Santo [“ES”]

- Assembly Coordination and Commissioning
- Blast Furnace II and 15 ton / 25 ton / 45 ton Rolling Cranes

SMS Demag Ltda / Belgo Mineira – Piracicaba / SP

- Electric Assembly, Instrumentation and Mechanics Supervision

SMS Demag Ltda / Usiminas – Ipatinga / State of Minas Gerais [“MG”]

- Assembly Coordination and Commissioning
- CAS-OB Desulphurizing Plant

SMS Demag Ltda – Vespasiano / State of Minas Gerais [“MG”]

- Assembly Coordination at the SMS DEMAG / CST Manufacturing Plant
- Strip Hot Laminator

SMS Demag Ltda / CISA – Araucária / State of Paraná [“PR”]

- Electromechanical Supervision and Supply of specialized Mechanics for the Commissioning Follow-Up
- Strip Cold Laminator - CISA Project
- Continuous Strip Scouring Line Installation
- Paint Line Installation
- Continuous Plate Hot-Dip Galvanizing Line Installation

Gerdau S.A. – Santa Cruz / State of Rio de Janeiro [“RJ”]

- Refurbishment Supervision and Planning
- Halt Planning and Technical Assistance
- 120 ton Electric Furnace

Cia. Paulista de Ferro e Ligas / SIBRA III – Simões Filho / State of Bahia [“BA”]

- Electric Assembly, Instrumentation and Mechanics Supervision
- Reduction Furnace – Furnace Adaptation for the Metal Si Production

Cia. Siderúrgica Belgo Mineira – Vitória / State of Espírito Santo [“ES”]

- Electric Assembly, Instrumentation and Mechanics Supervision
- 80 ton Arc Furnace

Cia. Brasileira Carbureto de Cálcio – CBCC – Santos Dumont / State of Minas Gerais [“MG”]

- Assembly Coordination and Commissioning
- Metal Si Reduction Furnace

ALSTOM – Belo Horizonte / State of Minas Gerais [“MG”]

- Manufacture Supervision

Voest Alpine – MS – Belo Horizonte / State of Minas Gerais [“MG”]

- Mechanical Assembly Supervision and Test Monitoring.
- VIBASA Dust Removal

Voest Alpine – MS – Santos / SP

- Technical Assistance in the Weighing Equipment
- Cosipa Steel Pan Converter Carriage

DMC2 – Degussa Metais Catalisadores Cerdec – Guarulhos / SP

- Laminator Assembly
- Transporter Assembly
- Electric Assembly, Instrumentation and Mechanics Supervision
- Extruding Press

Siemens Compressors

Supervision of the Instrumentation and electrical Commissioning and of the Air Compressor Electric System at Air Liquide/ Codelco, Chile

Supervision of the Instrumentation and electrical Commissioning and of the Gas Compressor Electric System of the P43 and P48 platforms from Petrobras, in the shipyard and off-shore

## SM Statement of Principles and Mission

- 1 – SM exists as a reward of the social and financial investment made by its founders and owners and believes that honest work is the best way to generate wealth.
- 2 – SM shall respect the right of anyone involved in the process to achieve its final result, while giving priority to their wish for the development inherent to all human beings.
- 3 – SM shall work in compliance with the city, state, and federal laws, and with the established civil society and constituted authorities.
- 4 – SM shall operate without harming or damaging the environment, and shall find ways to preserve and develop it.
- 5 - SM shall honor its commitments towards its suppliers, partners and employees, and shall do its utmost so their aspirations are fulfilled according to what was agreed upon and in the spirit of partnership, fellowship, and balance.
- 6 – SM acknowledges and accepts the social function of private initiative and shall therefore endeavor to fulfill its role in the development of society and of the Brazilian nation.
- 7 – SM shall attach great importance to the good name of its customers, as it understands that customers are the driving force behind its ongoing growth and future success.
- 8 – The SM assumes the commitment to keep the secrecy absolute of all the technology, the engineering and the process of this customer.
- 9 – SM shall fulfill what was agreed upon with its customers, and shall supply whatever was purchased with the maximum quality and shall do its utmost to meet its goals.
- 10 – SM shall do business with dignity and shall ignore any and all offer of a dubious and vague origin, no matter how advantageous it is.
- 11 – SM chooses to be a transparent and decent company, and bears all the consequences of this choice.

*In compliance with the above set rules, we count on God's help, our relatives, employees and partners to succeed in this enterprise.*