



COMPANY
Profile

CIMPROGETTI of INDIA

a subsidiary of
CIMPROGETTI[®]
THE GREEN EDGE OF
LIME TECHNOLOGIES
Italy



Cimprogetti of India Pvt. Ltd. is part of Cimprogetti Group (Italy) and is your reference point for Cimprogetti's Equipment & Technology for the lime industry in the Territory of India and nearby Countries. Based on the experience gained through more than 20 years of Cimprogetti's presence in the Indian market, our staff has acquired a highly experience and a solid back ground in the lime industry.

reference point

solid back ground

Cimprogetti of India is your ideal partner for supplying bespoke high quality/price effective Lime Technologies, with a consistent aftermarket value.

Cimprogetti of India can assist its customers for the resolution of technical and technological issues with a high level of engineering expertise: Engineering & Procurement Service, Project Management, Technical Assistance and Spare Parts service.



BOARD OF DIRECTORS



**NARASIMHAMURTHY
NAGARAJA RAO**
Cimprogetti of India



**MAHINDER
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NARASIMHAMURTHY NAGARAJA RAO

MANAGING DIRECTOR

MAHINDER MONGA

LOCAL STAFF

**SALES
DEPARTMENT**

**PROJECT
MANAGEMENT**

**TECHNICAL
ASSISTANCE**

**ACCOUNT
DEPARTMENT**

Cimprogetti of India - Organization Chart

PRODUCT RANGE

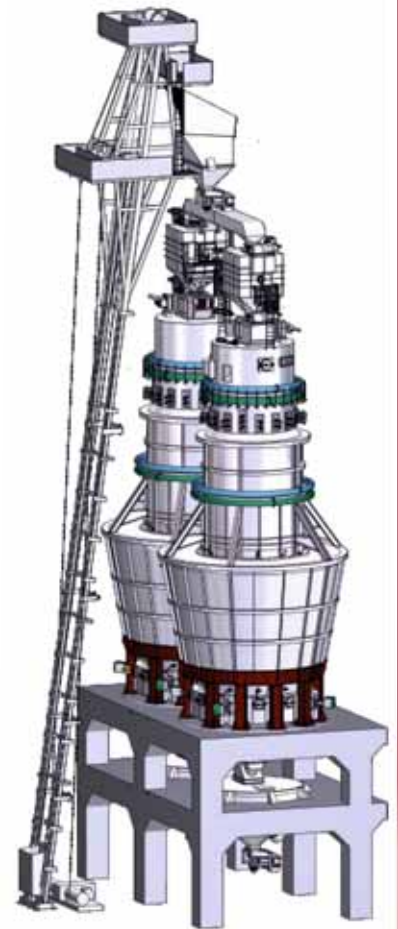
- **LIME KILNS:** supply of equipment, machinery, steelworks, handling plants and ancillaries to be integrated into the plant designed and fabricated by the Parent Company. Adherence to Cimprogetti's level of quality is assured throughout all production process.



ABC®
single shaft cross section



Flex ReVerSy®
direct cross over channel



Vanguard®
radial cross over channel

■ **HYDRATION PLANTS:** partially or totally made in India by Indian workshops with 1st class reference, according to Cimprogetti's design. Ancillary equipment have been developed to complement the hydration process, namely the digital weighing feeder Cim-Digidoser, the dedicated bag house, Cim-Zeropoll and the separator for razor sharp custers Cim-Microsep.



CIM-HYDRAX 4G® series
for enhanced fineness of raw material



The plant configurations and technological choices of each project are supported by the analysis and testing of raw materials, finished products and fuels carried out in **Cimprogetti's Technological Innovation LAB** in Italy with the scope to determine the equipment and plant specifications and define the applicable performance parameters for the contract.

MATERIALS CHARACTERIZATION

COMPOSITIONAL ANALYSIS	PHYSICO-MECHANICAL TESTS	TECHNOLOGICAL TESTS
Lithological description: Munsell Rock-Colour Chart, dust content on the surface; fossiliferous content, textural type, homogeneity, radioactivity	Maximum moisture (\approx capillary porosity)	Standard burning test (\approx TGA analysis)
Chemical analysis (titration, AAS, and EDXRF)	Bulk density	Expansion test
Mineralogical analysis coupled with Rietveld phase quantification (XRD-QPA)	Mechanical degradation test	Overburning test
Petrographic analysis coupled with image analysis for numerical quantification	Drop test	Slaking tests on lime burnt at different T
	Grain-size distribution	Particle size distribution (Masterzizer Malvern)
	Stone morphology	BET Specific Surface area (N ₂ Sorptometer)

Cimprogetti's analytical approach

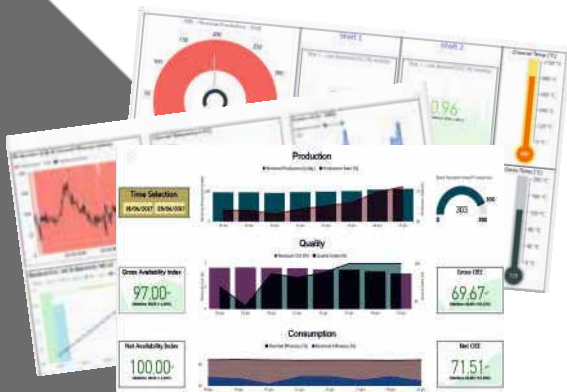


Since 1985, all Cimprogetti plants have been automated and controlled by means of a specific software. Today, the large-scale digitalisation and automation allows the virtual integration of the industrial process based on predictive modeling and machine learning.

COMPUTERIZED CONTROL SYSTEM

The **CIM-LPCS® Supervision System** collects and manages the data from all the tools and sensors the plant is equipped with, as well as the operator input data. **CIM-LPCS®** displays the process, the alarm management, trends, reports and the archival history. Cimprogetti developed a new software application called **BOT Platform™**, that runs automated tasks.

BOT Platform™ starts with data. It collects, cleans, reconciles, analyses, and validates the most suitable route to obtain information and deliver deep insights to our clients.



Starting from the project design and specifications, **Cimprogetti of India** is able to supply the required equipment following the entire manufacturing process: from the procurement of material to mechanical carpentry, from mechanical processing to heat and surface treatments up to final testing, packaging and shipment.



TECHNICAL SERVICE and AFTERMARKET ASSISTANCE:

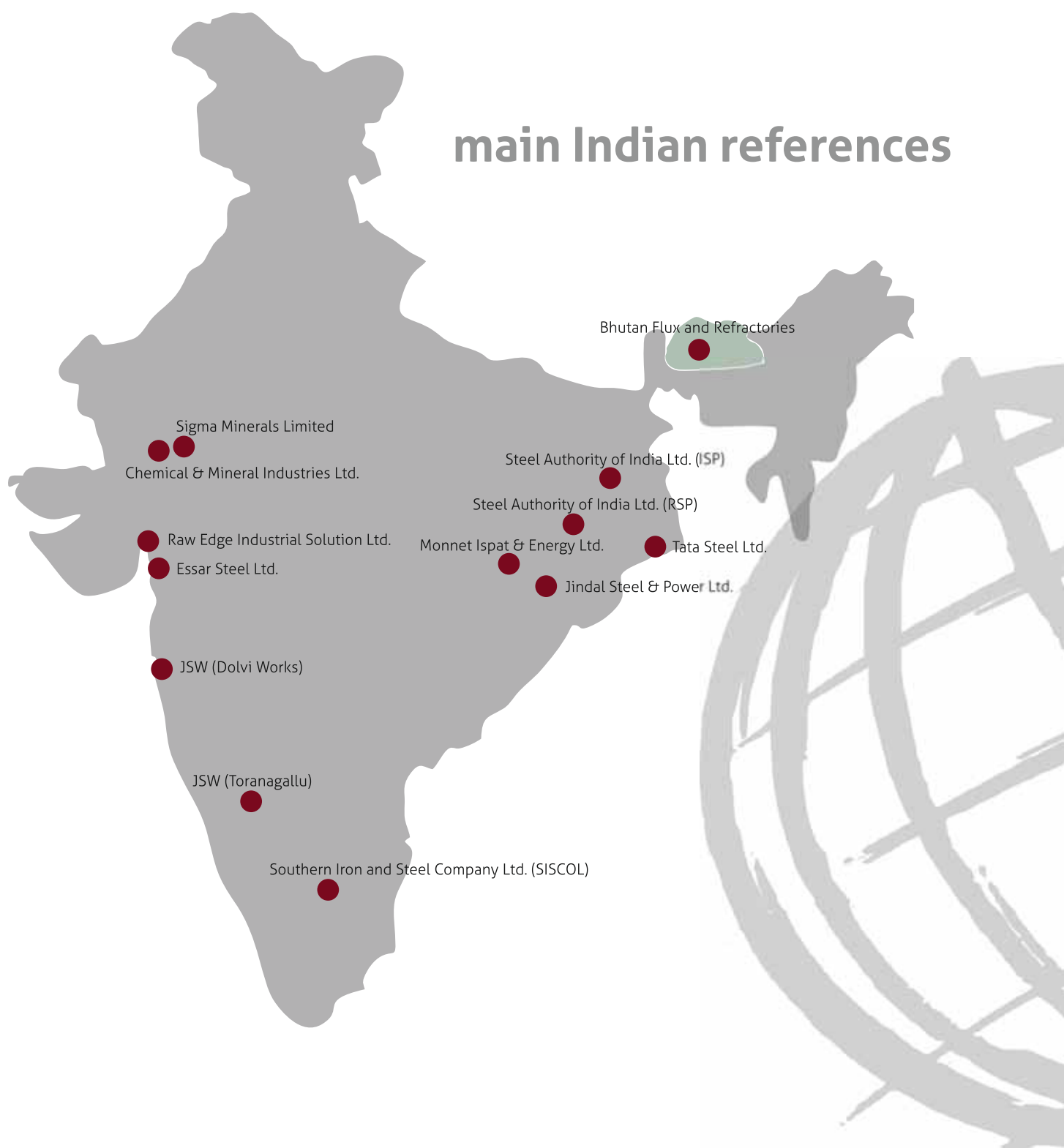
our local staff will assist 24/7 clients during the erection, commissioning and operation stages through the entire life of the plant.

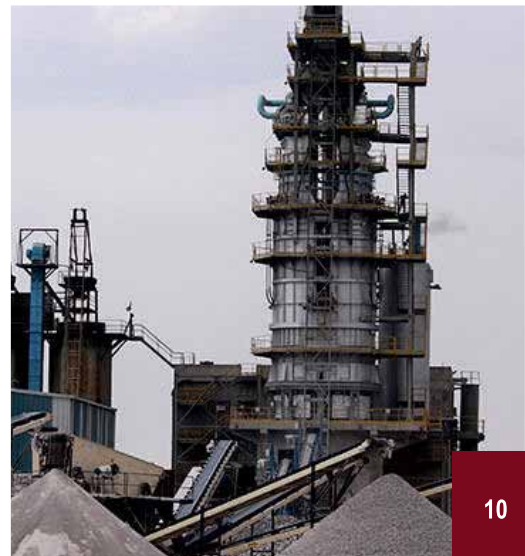
One of the main needs for an industrial production company is the guarantee to have a continuous technical support after the plant start-up for performances optimisation and technical / technological improvement along the time.



CIMPROGETTI involvement in the Indian market started in the early nineties with the supply of the first Twin-D® kiln to Essar Steel Hazira Ltd. Since then, Cimprogetti Srl has continued to supply the most advanced Lime Technologies to the prominent Indian Steel mills Companies, and, in more recent times, Private Indian Companies operating in the lime business and Indian Investors for abroad lime projects.

main Indian references







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