

mission

one

To provide the metal and mining industries with the most advanced technologies, products and services through a network of synergic companies.

two

To deliver customer value increasing efficiency, reliability and cost savings in their production processes and quality in their products.

three

To innovate continuously targeting the needs of quality, energy saving and effective pollution reduction essential for a sustainable development.

QUALITY

Tenova is focused on quality and committed to continuously improving services in order to meet or exceed the client's expectations by following the best practices and standards within the industry. Tenova has begun an excellence path involving some companies of the group that already have ISO 9001, 14001 and OHSAS 18001 certification and others that plan to achieve certification with primary certifying bodies such as Moody International Cert., BVQI, DNV.

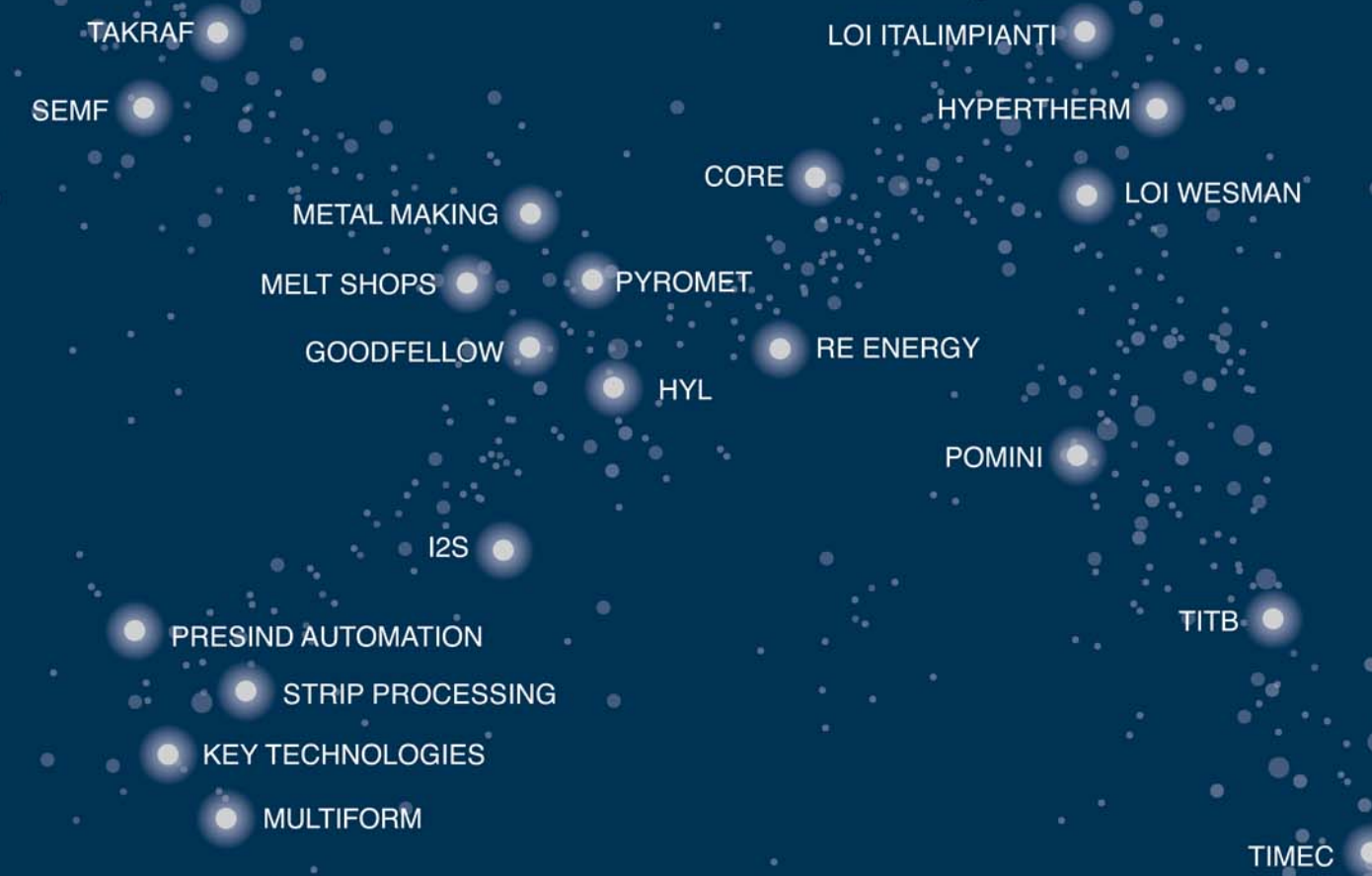
HEALTH, SAFETY AND ENVIRONMENT

Employees' health and safety, in addition to environmental protection are kept by Tenova as a top priority. Considering these aspects as integral parts of its own business, Tenova has undertaken to avoid any possible damage to persons or things and to minimize environmental impact. Tenova has defined a Health, Safety and Environmental Policy that promotes the development of its activities in harmony with the Health, Safety and Environment standards.

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TECHINT GROUP

Printed by Larovere, May 2011



Tenova is a worldwide supplier of **advanced technologies, products and services** for the metal and mining industries providing **innovative** integrated solutions.

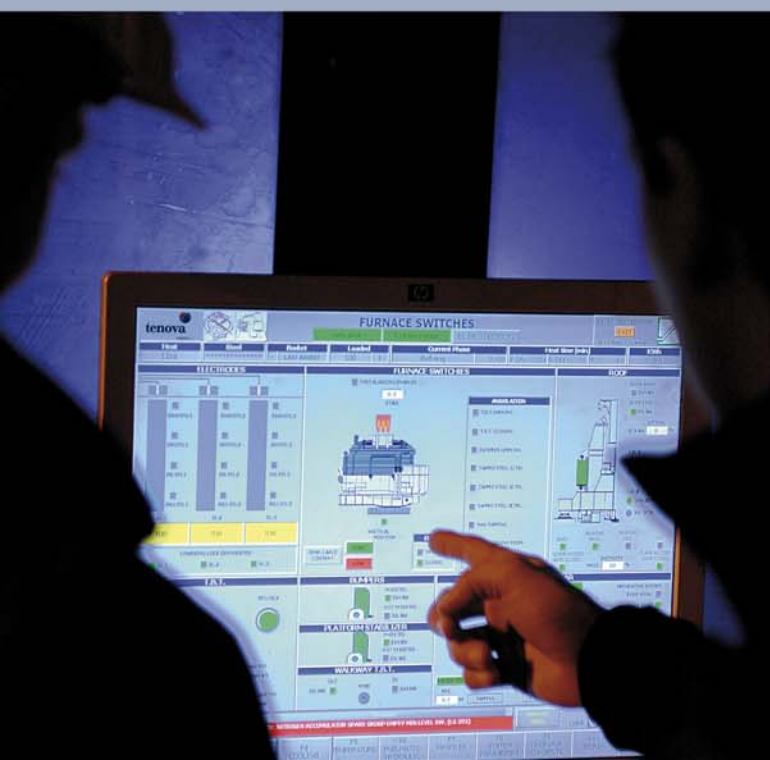
Combined process automation and metallurgical **know-how** enhance the value delivered to the **customers**.

TECHNOLOGICAL INNOVATION

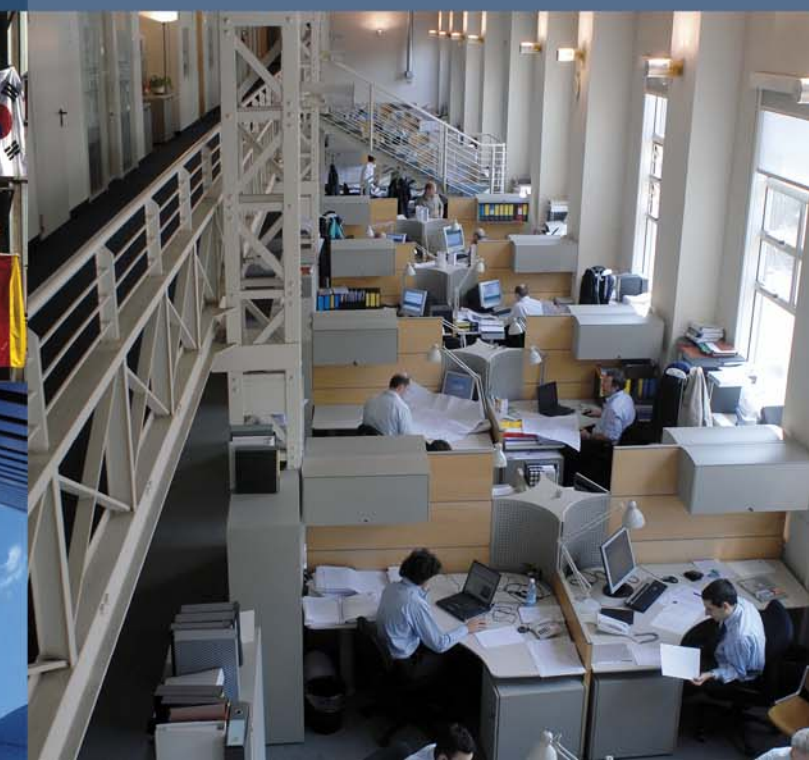
Technological innovation is the main pillar of Tenova's competitiveness. Tenova is fully committed to R&D to effectively meet the most pressing requirements of today's metal and mining industries. Tenova focuses mainly on the fields of product quality improvement, energy saving and effective pollution reduction that it considers essential for sustainable development within its client's industries.

HUMAN RESOURCES

People are the key to success and growth at Tenova. Qualified engineers and technicians are the backbone of a network of companies active in 5 continents, always at the customer's side to provide technological support of the highest calibre in real time. Outstanding technical and management expertise in every area of activity, a strong focus on the customer, passion for innovation and continuous flexibility: these are the distinguishing features of our professionals.

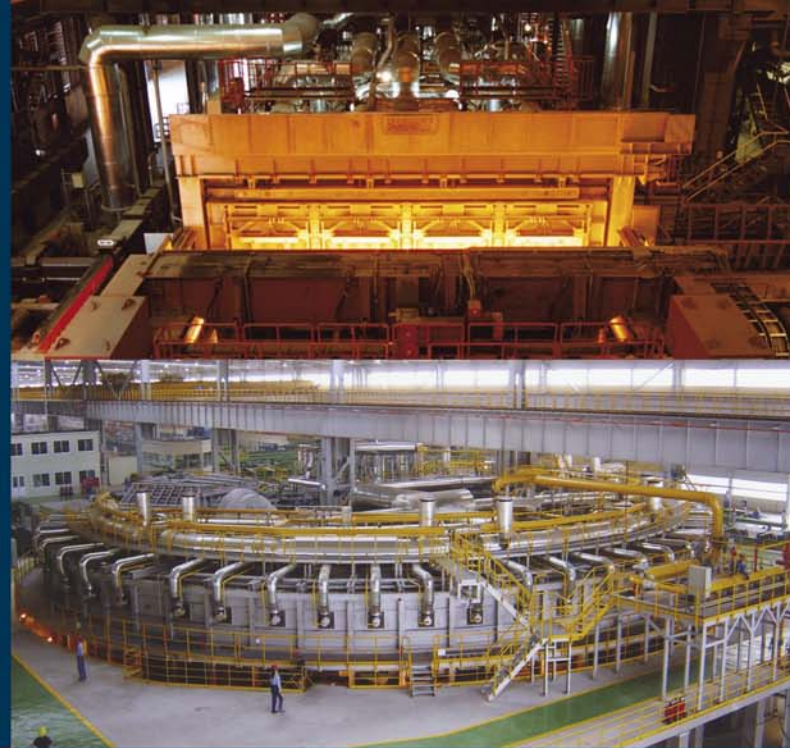


Advanced technologies for the metal and mining industries





Tenova HYL, the pioneer in the direct reduction industry, develops, designs and supplies the most advanced DR technologies. Its plants are able to process even low grade, high sulphur iron ores into quality DRI or HBI using different reducing gases such as natural gas, coke oven gas or syngas. A significant feature of the HYL technology is its low environmental impact, with the lowest NOx levels of any process, and solids, water and air effluents lower than the world's strictest standards, including the ability to recover CO₂ for commercial use instead of venting to atmosphere.



Tenova LOI ITALIMPIANTI is the world leader in industrial furnaces for steel and other metals industries. The reheating furnaces such as walking beam, pusher, rotary hearth and roller furnaces for thin slabs adopt the most advanced, in-house developed, low NOx combustion technology, FlexyTech®. The heat treatment furnaces range from batch and continuous annealing and galvanizing furnaces for steel strips, furnaces for silicon steel, plates, pipes, wires and bars that are supplied to different industries, from steel to automotive.



With over 450 lines installed, Tenova STRIP PROCESSING designs and supplies annealing, pickling, galvanizing, tinning, coating, finishing lines and cold rolling mills for new projects or upgrading of existing lines for carbon, stainless, silicon steel and aluminium. Tenova KEY TECHNOLOGIES supplies technically advanced equipment for acid regeneration plants, while the electrical part and automation packages are developed by Tenova PRESIND AUTOMATION. In India Tenova MULTIFORM contributes in designing and manufacturing strip processing lines and cold rolling mills.



Quality, performance, reliability and the highest automation level in the industry are the main features of the roll grinders and roll shop ancillaries designed, built and installed worldwide under POMINI Tenova brand name, world leader in the roll grinding field. The single machines or the whole automatic roll shops are supplied to rolling mills for ferrous and non-ferrous flat products as well as to the paper industry and to branches of heavy industry.



Tenova MELT SHOPS supplies advanced technologies for steel making through electric arc furnaces, ladle furnaces and vacuum degassing systems. It also supplies the Consteel® system for continuous charging of the EAF, KT Injection Systems®, TDRH electrode control systems, conductive arms, dedusting systems, and the Goodfellow EFSOP™ system for real time measurement of the off-gas and the optimisation of the melting process. Tenova RE ENERGY provides heat recovery equipment for the energy intensive industries, with the aim of increasing energy efficiency and reducing environmental impact.



Tenova CORE is a multi-business unit company based in Pittsburgh, PA (USA) providing steel plant and metals industry equipment and services, and offering the technologies of Tenova LOI Italimpianti, Tenova Melt Shops and Tenova Pyromet. The company provides complete in-house sales and marketing, design engineering, process control and automation system development, purchasing and project management functions for projects in the NAFTA market. It also provides a wide range of aftermarket technical services.



TENOVA IN THE WORLD

Tenova has operating companies in 5 continents. With their varied nationalities, Tenova specialists execute projects all over the world. Their multicultural backgrounds equip them to take on new challenges in any location.

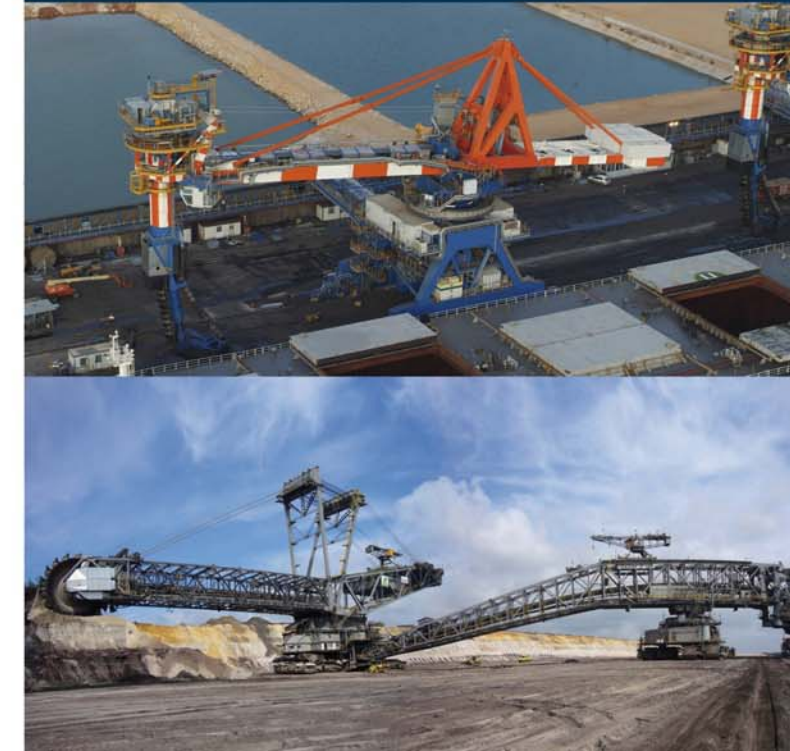


Tenova I2S is a leading manufacturer in the supply of high quality cold rolling mills that include 2Hi/4Hi mills, and (Sendzimir type) 20Hi and ZHi cluster mills. Its control technologies provide the tightest tolerances on heavy gauge plate and thin precision strip to 20 micron thickness. The technology can be applied to carbon steel, copper based alloys, stainless steel, silicon steel and specialty steels and alloys. The company also supports a full range of control and automation systems that includes its established line of precision thickness gauging systems with over 400 worldwide installations.



Tenova PYROMET is the industry leader in the design and supply of electrical submerged arc furnaces and related technology for the ferroalloys, base metals and waste treatment industries. The technology, equipment and the experience of its engineers ensure that furnaces built by the company are reliable and efficient. Tenova Pyromet can assist clients from the project concept phase through to final commissioning of the smelter.

Tenova TAKRAF offers system solutions within the core areas open pit mining and bulk material handling and enclose in itself the experience, know-how and capabilities of the historical brands of Takraf and Italimpianti that have provided hundreds of complete material handling installations and open cast mining systems, as well as individual machines to clients all over the world, in all climatic conditions.



POMINI Tenova factory, based in Castellanza, Varese (Italy), is the pride of Tenova's internal production and assembly capability. Equipped with the most advanced CNC machine tools, the workshop is mainly focused on the production of Pomini roll grinders. With over 25,000 sqm of covered area the production facility is able to meet the most demanding delivery schedules and quality requirements.

Tenova I2S production facility has the capability to produce a full line of cold rolling mills in its USA facility. Its highly skilled workforce and a full service machine shop is focused on the highest standards in design, manufacture and assembly. By combining quality manufacturing capability, a strong engineering foundation and the latest in controls technology, Tenova I2S excels in the technical support and responsive service that its customer's demand.

Tenova TAKRAF factory based in Lauchhammer (Germany) takes up an area of 235,000 sqm including about 18,000 sqm covered and is used for metal prefabrication, steel construction, assembly, wearing parts manufacture. The internal fabrication is used only for complicated parts, with elevated technological content, and for huge size and non-standard parts that would be difficult and time consuming to produce through external fabrication.

Tenova TIMEC is Tenova's production facility in China. Based in the industrial area of Tanggu (Tianjin), it takes up an area of 54,000 sqm, including 15,000 sqm covered. The excellent quality of production is guaranteed under Tenova's worldwide quality assurance program carried out to the strictest required standards. The best fabrication competences have allowed Timec to become the preferred manufacturing facility not only for Tenova but also for other top quality customers worldwide.

Tenova MULTIFORM's manufacturing plants are located in the Thane district of Maharashtra (India), the industry park near Mumbai, on an area of 1600 sqm. The full-service workshops handle fabrication, machining and equipment assembly for strip processing lines and cold rolling mills. Fabrication and machining are restricted to critical items, while final assemblies and testing of the majority of equipment are conducted internally, to ensure compliance with Tenova quality standards.