

Company history

Our company was founded in 1970 as a small individual maintenance company of industrial plants, called Armando Lenardi (from his founder's name). In those years it mainly carried out boiler work and plant maintenance activities within the plant of one of the major Italian paper mills, Burgo Spa. Throughout the years the company acquired new experience in the processing of stainless, special, and carbon steels, expanding its production to the construction and assembly of equipment and plants for the chemical, food, paper, and energy industries. With the development and further specialization in the construction of equipment and plants of various sizes, the company underwent a transformation, in 1984 from the original sole proprietorship it became the current company, CITAL Srl (*acronym for Costruzione Impianti Termoidustriali Armando Lenardi*). At the same time moving to the present location and the transfer to the new headquarters with a greater extension of workshop and offices. Today, CITAL Srl is a limited liability company, with a share capital of € 2,000,000 entirely owned by the family of the founder Lenardi, who boasts over 40 years of production and managerial experience in the design, construction and assembly of equipment and plants for the chemical, food, paper, energy, stainless and carbon steel industries.

Our company's main production activity

Our Company's production activity is mainly related to the design, construction and assembly of equipment and plants for the chemical, petrochemical, food, paper, and energy industries. The design is developed internally by our technical department which has full knowledge and mastery of international design codes such as EN14015, API650, API620, CODRES, VSR, CODAP, AD2000 Merkblatt, EN13445, ASME and TEMA. The design of our products and systems is developed entirely in 3D. Where necessary we can intervene with 3D Laser scan surveys in order to optimize our systems with the ones implemented by our customers.

The pressure equipment is fabricated in our workshops, then tested and shipped to the various construction sites, where this is not possible, due to possible size limits, these can be finished in the nearby port area and shipped directly to the final destination or nearest port of arrival.

The construction site activities are carried out under the direction of our qualified staff who ensure quality, timing, and safety. For the semi-automatic construction of tanks starting from coils, we have 4 machinery systems capable of managing tanks up to a unit weight of 300 tons with an annual production of 2,000 tons. Each project, regardless of its size, is managed and controlled from design, through construction, to the installation, production, and final tests up to delivery to the customer.

Welding, which is one of our core business strengths, is controlled and monitored by our Welding Engineers, keeping processes and related systems constantly updated. The entire process is continually monitored by the most important Notifying Bodies such as RINA, IIS, TUV SUD, BV e SGS. Our company is certified according to various national and international design and construction regulations and codes including: Racc. VSR, M, S, ISPESEL, AD 2000-Merkblatt HP0, 2014/68/UE (PED), ASME-U Stamp, National Board, EN 1090. The welding process, being at the heart of our production, is continuously innovated and monitored in compliance with current regulations: company certification according to ISO 3834-2, welders and operators certifications according to EN 9606-1 / EN14732 / ASME IX, welding procedures according to EN288-3 / Ad Merkblatt HP2-1 / UNI EN ISO15614-1 / ASME IX, qualified personnel for Non-destructive Controls UNI EN ISO 9712 / PED 2014/68 / UE / ASNT-SNT-TC-1A

Our Capabilities and Facilities

Our headquarters is in Verzuolo (CN), where we have a covered area of 2,600 m² +1,600 m² for a total of 4,200 m², structured in 2 workshops with offices in a total operational area of approximately 10,000 m².

CITAL with its highly qualified and specialized staff can follow and assist its customer step by step, from design to assembly of equipment and complete systems, in compliance with the agreed programs. Through our technical office, equipped with the best design and technical drawing software, we carry out the technical study and executive engineering or we or fabricate according to the technical drawings and projects provided by the customer.

In our workshop we fully manufacture all the equipment's that are dimensionally transportable or we prepare in pre-assembly (ferrules, roofs, bottoms, accessories, skids, etc) and systems (skids, pipe-racks, spools, etc ..) The pressure vessels subject to PED are certified and CE marked after the necessary checks and tests in the workshop. Welding in the workshop is carried out by specialized personnel, also with automatic welding machines, according to the specifications and certified welding procedures.

In the customer's workshops we prepare entirely equipped and efficient workstations to assemble the equipment or equipment that arrives in sections from our workshop. On site we are also able to provide the construction and assembly of structures, structural work accessories and connection pipes, also for equipment supplied by third parties. Work on site are carried out by highly specialized personnel, with the help of modern equipment ((automatic welders, positioners, lifting equipment), constantly supervised by a qualified construction site manager, for compliance with quality and delivery times. Special importance is given in the executing the work in compliance with safety and environmental protection standards, also in coordination with other contractors that may be present on the site. For this purpose, operating personnel are adequately trained and equipped with protective and work equipment according to the regulations.

Our products are made with stainless or carbon steel such as 304L, 316L, 321, 316Ti, 904L, Sanicro, SAF2205, SAF 2507, LDX 2101, Ni, C276, etc. Stainless steel equipment is supplied pickling and passivating. Furthermore, thanks to the collaboration that we have established throughout the years with external specialized companies, we are able to supply to the customer the equipment with specific requested finishing's: insulation, painting, satin finishing, polishing, interior coatings, etc.

Our logistics department, if requested by the customer, is able to arrange transport, even heavy loads and exceptional ones, of the equipment to any given destination, taking care of its packaging and anchoring so that the product is not damaged during transportation, respecting the expected delivery times.

Our Strengths

Our main strength included: the selection of high quality material, fifty years of experience engineering, welding with over 160 international certifications and fabrication know how, the ability to work on customized projects and solutions for our customers, high level of flexibility (from bidding stage to commissioning), a global operational reach, safety orientated, reliable and with a strong company ethics.

Where and for whom we operate**DISTILLERIES** (bioethanol, biofuel, food alcohol)

- Fermenters
- Distillation
- Concentration
- Distillation columns
- Shell and tube exchangers and reboiler
- Storage and process tanks
- Evaporators and Separators
- Absorbers
- Digesters
- Crystallizers
- Pressure tanks
- Metal structures
- Pipes and plants

FOOD INDUSTRY

- Milk tanks
- CIP tanks
- Oil tanks
- Oil mills
- Hoppers
- sterile tanks
- Dryers
- powder silos,
- process tanks
- melting tanks

CHEMICAL INDUSTRY

- Silos
- Fermenters
- Columns
- Reactors
- High pressure vessels
- Coils
- Piping and plants

ENERGY

- Tanks
- Thermal storage for congenators
- Pressure tanks
- Metallic structures
- Pipes and plants
- Hoppers
- Fire systems
- Water pipes
- Diffusers for hydroelectric turbines
- Sectioning gates

PAPER MILLS

- Steel structures
- Rectangular storage tanks
- Structures for machine floor
- Piping and plants
- Mechanical assembly

OTHER

- Electro filters
- Wind Tunnels
- Ventilation and conditioning
- Steel Structures
- Superheated water generators
- Manifolds
- Industrial Cyclones
- Scrubbers
- Decanters
- Ducts
- Refractories
- Painting

International and overseas branches

ROMANIA: HYDRO NATURE ENERGY
SINGAPORE: CITAL SG PTE LTD
USA: CITAL US LLC

Our main customers

ALFA LAVAL, AMEC FOSTER WHEELER, ARPA INDUSTRIALE SPA, AXOMER CHEMIE PRODUKTE GMBH, BIOCHEMTEX, BIRAGHI, BRITISH PETROLEUM, BURGO GROUP SPA, CARGILL, CHEVRON ORONITE, DESMET BALLESTRA, DISTILLERIE MAZZARI, ENEL, ETEA ENGINEERING, FATIMA FERTILIZER, FERRERO, FLUOR, JACOBS, MOSSI & GHISOLFI, MCBURNEY, MDT, METSO, NOVARESINE, P&G, SEDAMYL, SER, SYNTHOMER, TATE & LYLE, TECHNIP, TEREOS/SYRAL, TETRAPACK, THYSSEN, ZIEMEX.