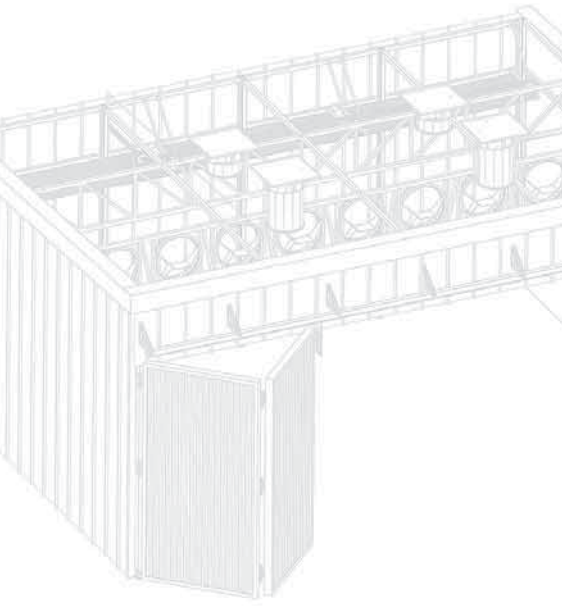




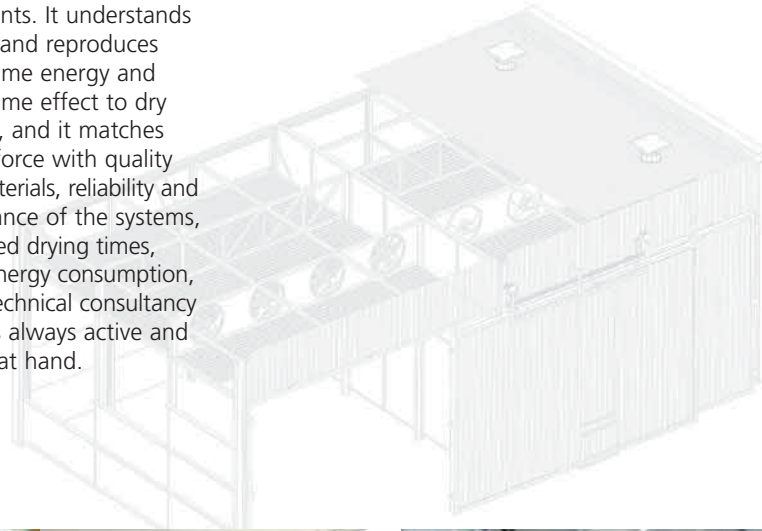
# Termolegno around the world

THE VALUE OF DRYING





Water, earth, wind and fire. Vital elements. Termolegno takes advantage of the same combination of natural elements. It understands them and reproduces the same energy and the same effect to dry wood, and it matches their force with quality of materials, reliability and resistance of the systems, reduced drying times, low energy consumption, and technical consultancy that is always active and close at hand.



# The Termolegno company

THE FORCE OF ELEMENTS

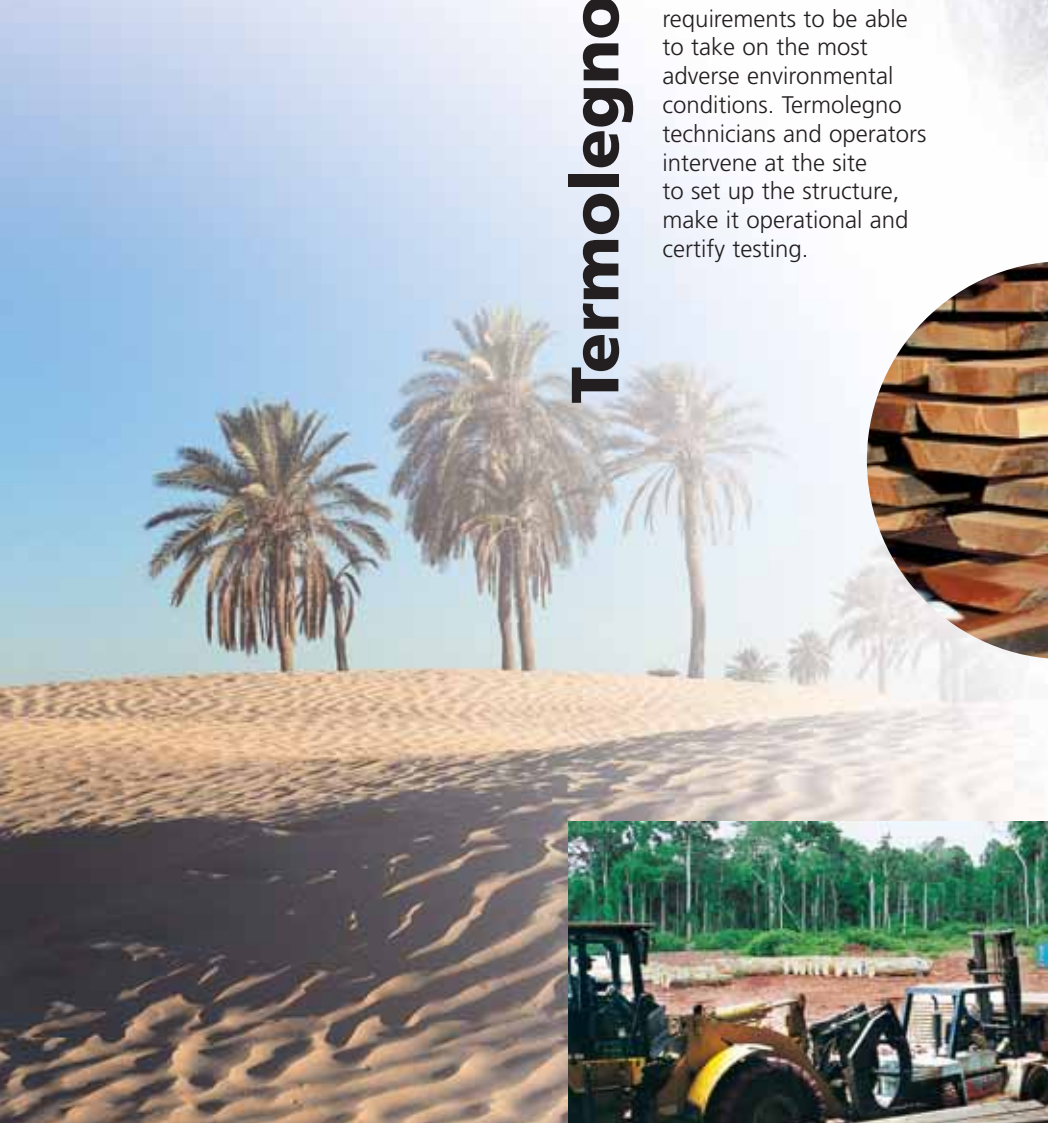


**A LOOK BEYOND**

# Termolegno around the world

- Each standard Termolegno installation is designed support loads of snow of up to 160 kg/m<sup>2</sup>, and even up to 250 kg/m<sup>2</sup> on customer request. They can withstand wind speeds of up to 120 km/h and enhance the thermal insulation system in countries with especially severe climates.

Wood, its materials, prestige everywhere. Worldwide, wood is cut, processed, transported, transformed. Termolegno is present on the global scene in more than 50 countries, because its dryers have structural, operational and water-resistance requirements to be able to take on the most adverse environmental conditions. Termolegno technicians and operators intervene at the site to set up the structure, make it operational and certify testing.



# Material and functionality

RELIABILITY OF EVERY ELEMENT

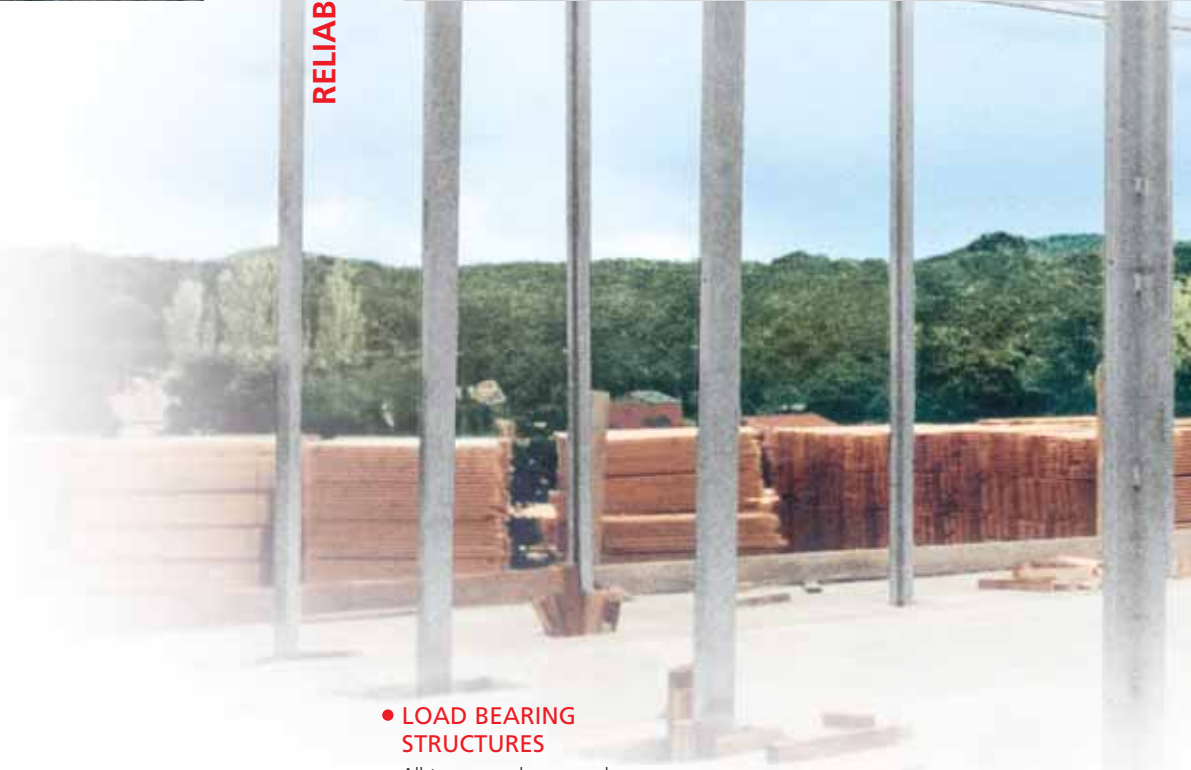
From the load bearing structures to the welding, from the doors to the screws, at Termolegno every single element is studied to improve the functionality of the system and its durability over time.

Aluminium and stainless steel are the chosen materials, bold and resistant to corrosion and wear, able to withstand abrupt temperature changes and a heavy-duty production cycle.



## • WALLS

The insulation of the dryers is guaranteed by special panels in fretted aluminium with 100-mm thick high-density non-hygroscopic fiberglass insulation (humidity resistant).



## • LOAD BEARING STRUCTURES

All trusses, columns and uprights are made in a special aluminium alloy which is resistant to the tannin released by wood.



● **VENTILATION**

Termolegno uses axial fans with reversible profile die-cast aluminium blades, with the nozzles in stainless steel and IP55 class H electric motors which are resistant to high temperatures and humidity.

● **AIR EXCHANGE**

Perfect and rapid air exchange is guaranteed by the aluminium shutters which are complete with 24 V motorization located on the roof.



● **GARRET**

The false ceiling is realized with fretted aluminium sheet metal inserted in special profiles which make them easy to remove.

● **HUMIDIFICATION**

The adoption of atomizer nozzles connected to stainless steel pipes guarantees the proper hygrometric balance inside the cells.



● **HEATING**

Bimetallic heat exchangers with stainless steel pipe and aluminium fins are used to allow for elevated heat flow.

# Termolegno Dryers

FUNCTIONALITY IN ANY SIZE



- **CSD**

Loaded with front loading forklift; heating with hot water, superheated water, steam or heat-conducting oil.



- **AUS**

Indicated to integrate the dryers with masonry walls constructed by the client following the directives, drawings or technical specifications of Termolegno.





● **CSD-T**

Loaded with trolleys on rails; heating with hot water, superheated water, steam or heat-conducting oil. Especially indicated for rapid-drying lumber because it allows for very fast loading/unloading operations. Provided with double doors (one on the loading side, one on the unloading side).

● **CSD-HT**

Equipped with electronic command for the pest-control treatment of wood packing materials.



Dryers and steamers, different structures that require the same level of reliability. Termolegno realizes installations of any size and capacity, from a basic unit of 10 m<sup>3</sup> up to 250 m<sup>3</sup> and, in the tunnel systems, thanks to the use of modular structures, meets any requirement for expansion. Based on customer needs, Termolegno can provide pre-dryers for the storage and preservation of lumber prior to drying and a complete turn-key service, designing and realizing the heating system for the use of the dryer.

**Termolegno Steamers**



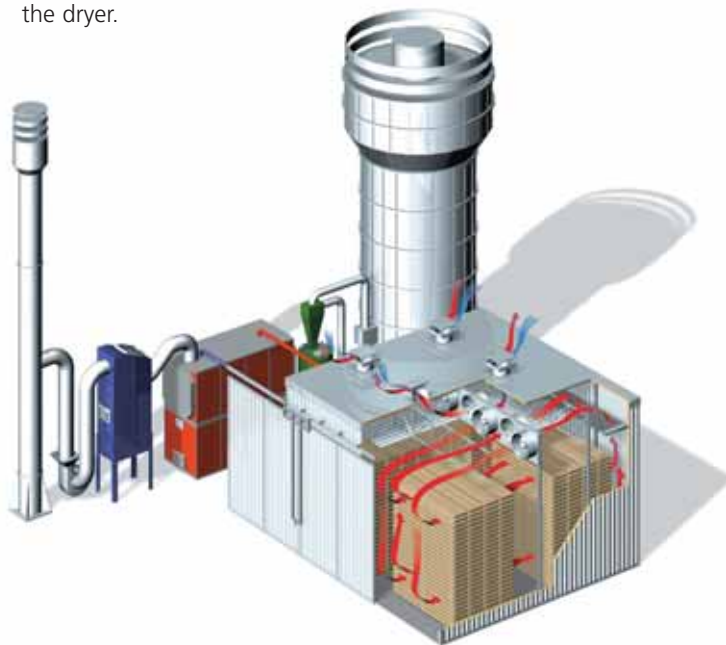
● **TERMOVAP**

Indicated for steaming with direct or indirect steam injection (with coil pipe and tub for water boiling).



● **MINI-DRYER**

**Turn-key system**



● **Example of complete turn-key system**

# Components

## DOORS AND LARGE DOORS

Termolegno takes on a new personality designed to be versatile and adaptable to the specific requests of the clients, Termolegno dryers can be equipped with components which improve their performance and make them more functional for manufacturing activities. From the large doors to the flues, from the electrical boards to the electronic equipment, each accessory is the result of precise and reliable technological design.



• ELECTRICAL CABINETS, INVERTER



• WITH FOLDING DOORS

Indicated for single or small-sized cells.



• SLIDING SINGLE PIECE

Easy to maneuver, especially indicated for two or more cells in line.



• INSPECTION DOOR

Equipped with safety handle and suitable seal to ensure hermetic closure of the cell.





- **FLUE WITH EXTRACTION FAN**

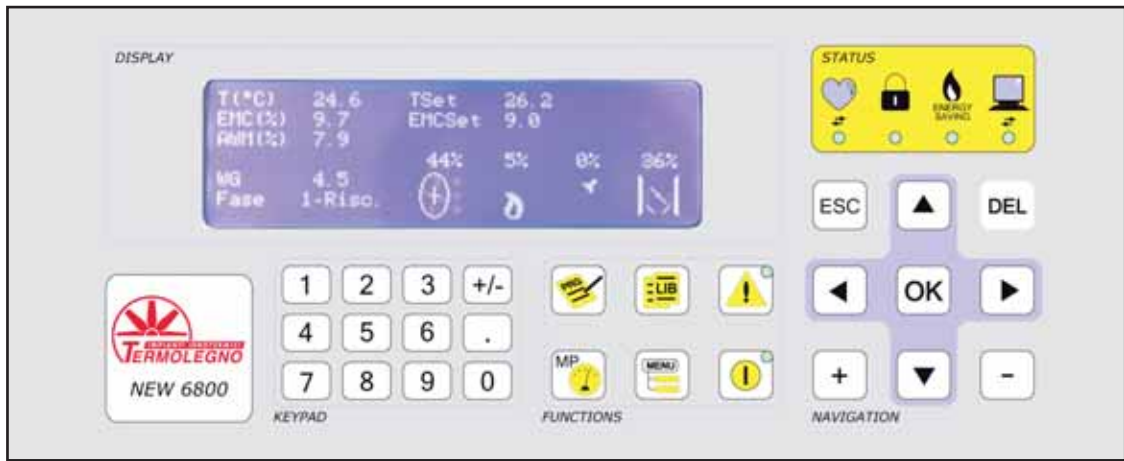
For faster and more complete extraction of saturated air and higher quality of the treated wood materials.

# Accessories

**CUSTOMIZING AND OPTIMIZING**



# NEW6800



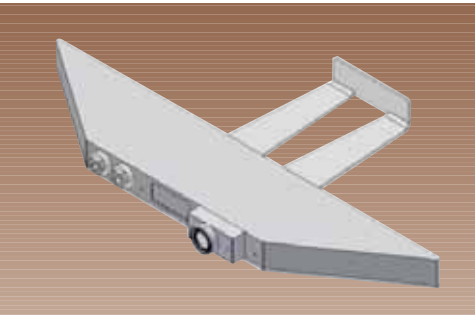
● **NEW6800**

NEW6800 series set a new quality and performance level in drying control systems. Engineered to deliver solid performance, these regulators can handle today's most demanding drying applications. They are built to be durable and reliable, so you can be confident that you're

getting a top-notch product. Whether your target is low-end or high-end, drying kiln NEW6800 regulators with their options are the way to get perfect results. All models incorporate a powerful microprocessor system to provide advanced regulation features, extended history, and

a superior reliability, all in an easy-to-use platform. Focused innovation for breakthrough value: advanced regulation features, advanced phases support, superior PC software control, support of advanced sensors, open interface capability, complete

energy management. NEW6800 can manage a revolutionary anemometer probe to control of the real air speed through the wood stack and the Temperature/EMC. This new technology allows a superior energy saving with high quality results. The best-in-class product.



● **ANEMOMETER**

This innovative bidirectional anemometer is built to work in hard environments. Its is able to measure air velocity and air turbulence, unlike other devices it is immune from: temperature and humidity variations, dust, chemical aggressive pollutants. Moreover it provides air temperature, humidity and EMC. In wood drying, as in other processes, optimizing air speed near the material can save much energy related to air flow.

● **NEW3800**

NEW3800 is the small version of the professional NEW6800 series. NEW3800 addresses small kilns and start-up dryers. It is the first complete controller able to bring the reliability and the performances of high-end products to markets that usually adopt simple static controllers or low-end drying controllers. With NEW3800 you improve the quality of your product and cut down your kiln's energy costs, also in small plants. The best-in-class product in its category.

● **VAP6800**

VAP6800 is a controller for the wood steaming process, temperature within the kiln is regulated by the steam flow. It is equipped with an internal clock for a PC independent and reliable history.

# PC Control Software

SYSTEM RX



ISPM-15

System RX is an advanced and reliable control software featuring: easy-to-use interface, professional historical data analysis tool, multiuser and network operation capabilities (telephone, LAN, internet), SMS alarm reporting, SMS query system, high speed operations through the new PCZ-USB (USB RS485

interface), PDF report generation for drying and ISPM15-HT processes. Moreover there are other possibilities like the remote control of each actuator, the archiving and constant control of energy data and costs, the monitoring of boiler, the possibility to configure specific action in particular situations.

# Portable meters

WOODMOISTURE METERS



- **LG9 by insertion**

Activated by inserting sensor probes in the surface of the wood, which measure the level of humidity and transmit the findings to the manual electronic equipment.



- **LG6 by contact**

Activated by resting the measurer on the surface of the wood. It then transmits the humidity data, which can be viewed on the display of the equipment.

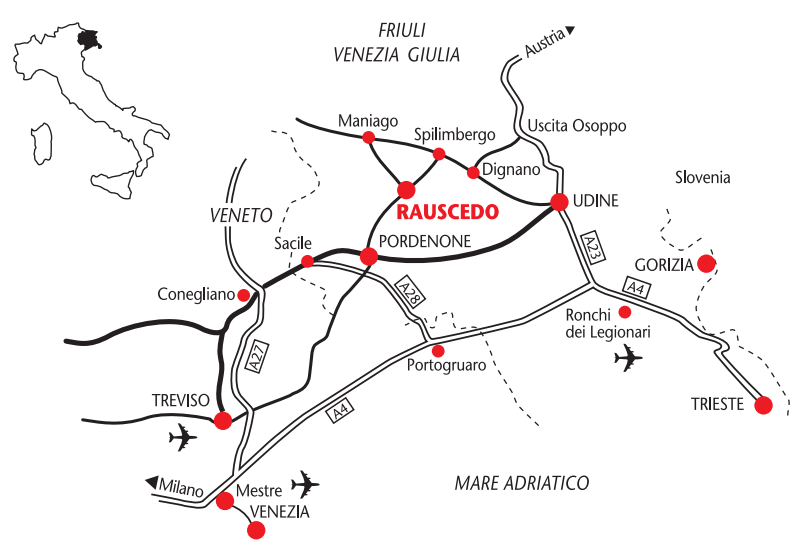


- **LG12 by contact**

Is an advanced wood moisture meter. Exceptional stability and precision. Powered by two low cost alkaline AA batteries; Battery voltage reading; Internal temperature sensor.

- **LG18 by insertion**

Is an advanced wood moisture and climate meter. Based on state-of-the-art technology, it allows the following high quality measures: Full range wood moisture with linear wood group compensation; Climate (EMC, Temperature, Relative Humidity) through the electronic probe Digiprobe; Climate (EMC, Temperature, Relative Humidity) through PST032 strip and kiln's temperature sensors.



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