

NONIS
Advanced measurement
and weighing technology



La nostra attività è basata sul principio guida
di offrire contemporaneamente prodotti
affidabili e nello stesso tempo
tecnologicamente avanzati.

Unendo il background acquisito nel corso
degli anni e la competenza del nostro
personale tecnico siamo orgogliosi
di offrire prodotti di elevata
qualità supportati nel tempo
dal servizio di assistenza.



Enrico Nonis
Amm. Del. NONIS Srl





CENTRE OF GRAVITY CONTROL BOATS

Made with products and technologies innovative to get the most out of it level of quality to precision. We are committed to supplying high quality products and applications quality through continuous innovation, always considering the Customer requests in the first place.

Our technical staff is dedicated constantly researching and developing products and prides itself on being able to offer excellent service by developing the utmost collaboration between company and customer.



Technologically advanced products



Excellent service



Competent Partnership



Technical assistance & support



Value for money



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The high quality of the components used in the production of our guarantees maximum reliability and durability over the years of the investment.

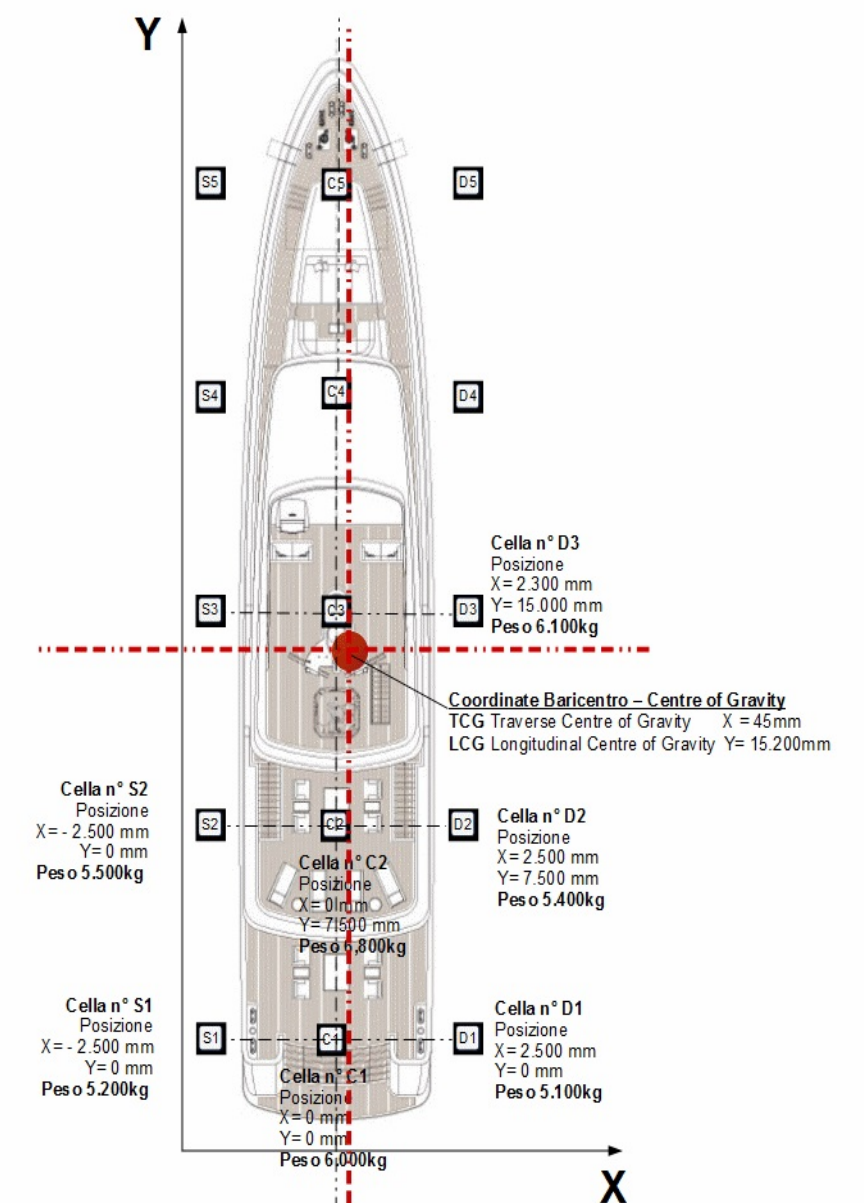
Measurement control technology and data acquisition allows a complete traceability of information during all construction phases of boats.

The information collected is fully shareable in real time on the network EDP of the Customer, thus allowing to verify and eventually make modifications or variations on the project of the hull.

The wireless transmission makes the system easily applicable in any environment, not interposing cables near the hull.

MAXIMUM PRECISION







Coordinate Baricentro – Centre of gravity





INNOVATION

OUR PRODUCTS

-  Real-time data & measurements
-  Extreme ease of use
-  Duration over time
-  Re-installable on any boat
-  Maximum reliability
-  Minimal maintenance

Centre of gravity control for boats under construction

Calculation and graphical representation of the boat's centre of gravity.
Calculation of the distribution and graphic representation of the loads on the edges.

Calculation of the distribution and graphical representation of loads from stern to bow
Continuous display of the values during all phases of construction of the hull.

Storage of information with user-defined intervals

Transmission and sharing of data on the Ethernet network

Extreme flexibility and ease of use

Wide range of use:

for boats with displacement up to 1500t from 6 to 50 notches



Load cells + mounting kits mounted on the boat supports



SYSTEM ARCHITECTURE (wireless version):

Through the use of wireless technology it is possible set up the construction site without laying connecting cables.

The receiving unit is connected to a USB port of a PC. The system is capable of transmitting data remotely, which they are processed in real time by the PC.

Mechanical assembly kit

Load cell R10X



Wireless transmitter



USB wireless receiver



ELECTRONICS:

A transmitter is provided for each load cell
2.4 GHz digital wireless with 18-bit A / D converter and internal resolution up to 400,000 dots.
The transmitters are equipped with common AA batteries, in an IP67 container, for transmission up to 500m, with high autonomy and standby mode managed by remote.

Configuration / calibration software included



LOAD CELLS:

- Compression load cells
- Capacity from 1 to 100 t
- Stainless steel - IP68 / 69K
- Dedicated fixing kits

Real-time monitoring:

- Data processing and graphic visualization of the coordinates of the centre of gravity
- Calculation and display of X and Y dimensions centre of gravity.
- Calculation of the total weight of the boat
- Display of the weights on each cell load
- Alarms in case of overload
- Data saving on file

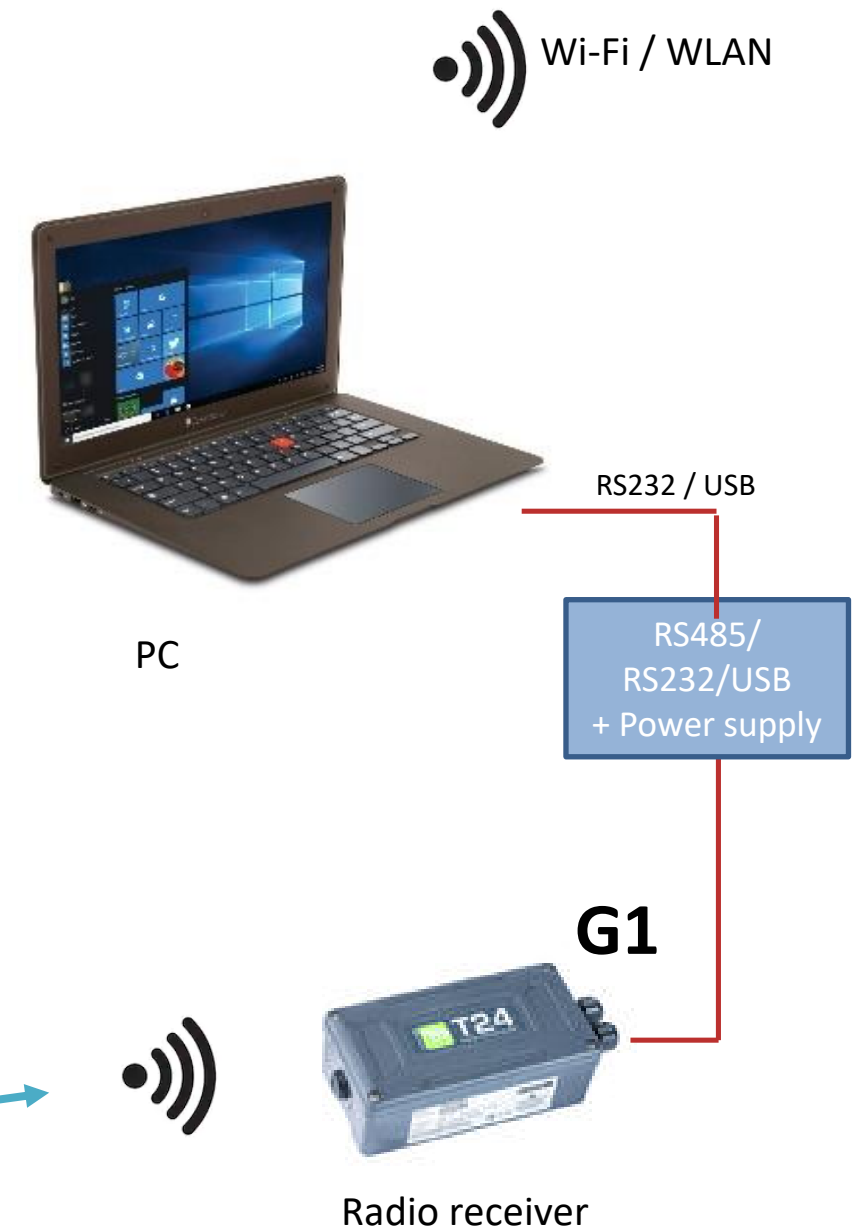
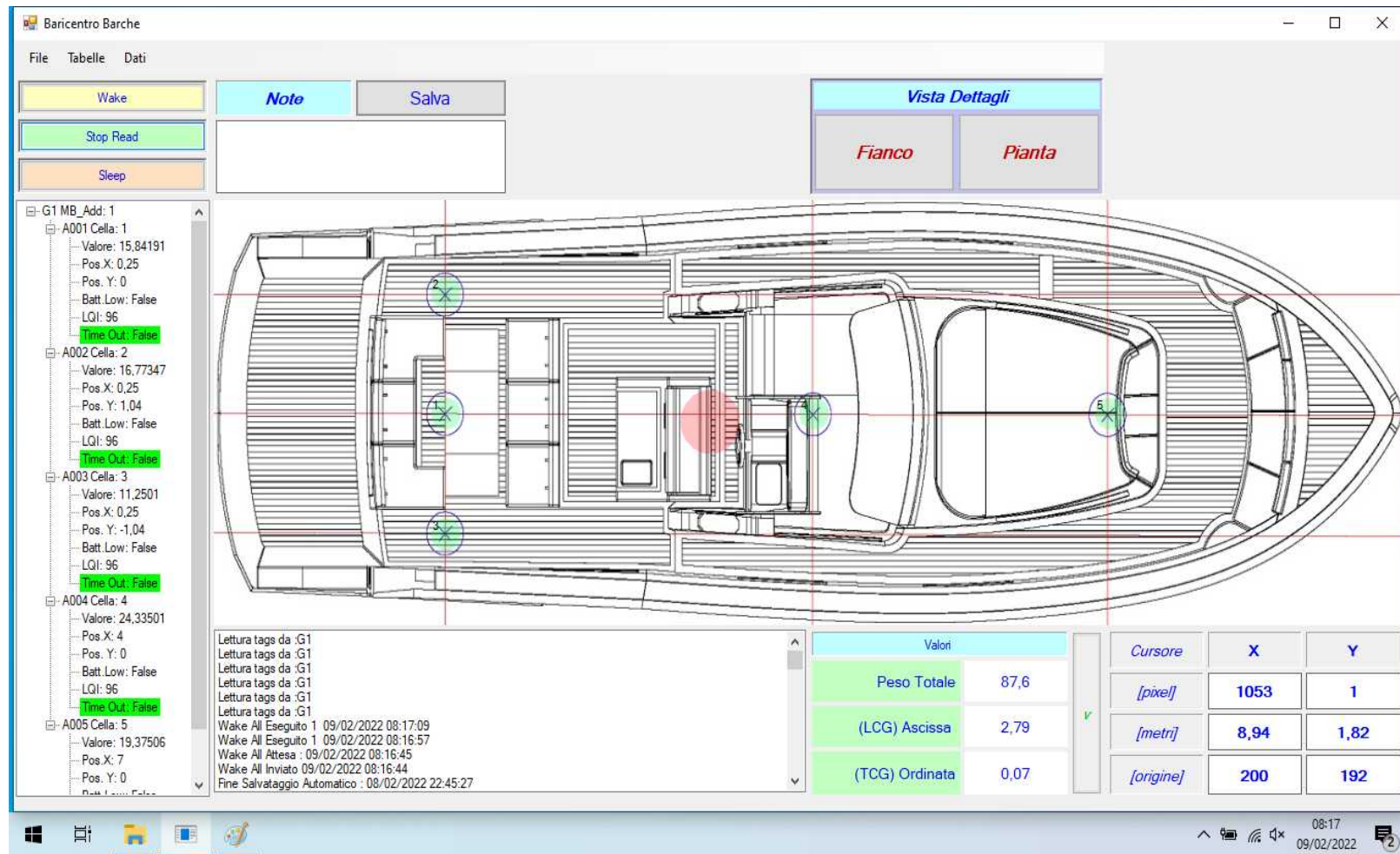


ASSEMBLY KIT:

- AISI 304 stainless steel construction
- Protection against electrostatic charges
- Anti-tip system
- Transport locking / bypass system and facilitated maintenance

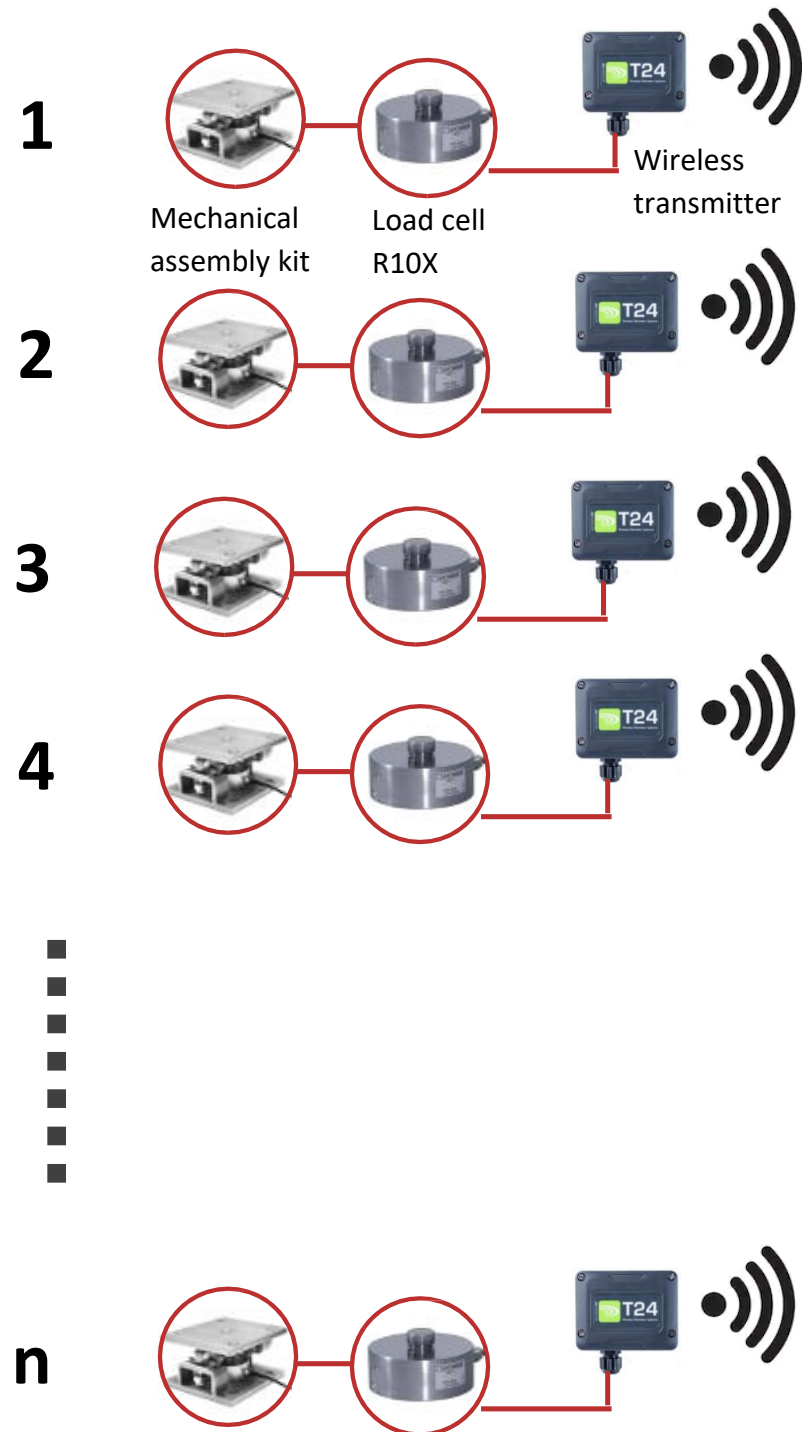
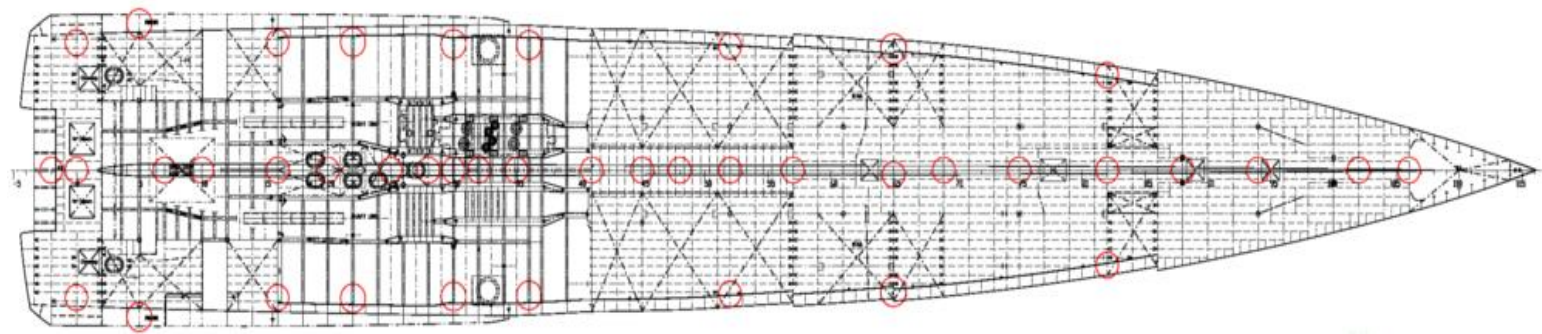
Wireless acquisition system

Example of system architecture for 5 support points / 5 load cells



Load cells + radio transmitters

Wireless system with gateways and PC



SYSTEM ARCHITECTURE:

Through the use of wireless technology it is possible to set up the construction site without laying connection cables for the load cells. Each load cell located under the hull is connected to a wireless transmitter.

The signals of each cell are sent to a series of gateways receivers, positioned in such a quantity and way as to guarantee coverage of the wireless signal throughout the construction site (eg a gateway for every 10 load cells).

The gateway receivers are connected in RS485 Modbus to a PC, where the data is processed. From the company network it is possible to read the detected data

The connection between the gateways and the PC is the only wiring required.

ELECTRONICS:

2.4GHz digital wireless transmitters with 18-bit A / D converter e internal resolution up to 400,000 points.

The transmitters are equipped with common AA batteries, in an IP67 container, for transmission up to 500m, with high autonomy and standby mode remotely managed. Transmission takes place only when the application on the PC is in use.

Configuration / calibration software included

LOAD CELLS:

We offer a full range of load cells:

- Compression load cells
- Capacity from 1 to 100 t
- Stainless steel - IP68 / 69K
- Kit di fissaggio dedicati

CONTACTS

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SUPPORT

At NONIS srl we are aware that the ease of use and reliability of our products is paramount to customer satisfaction. Our innovative solutions there allow to provide, if required, online technical support, with the possibility of remote connection to monitor and control the system, eliminating the time required for inactivity. Our Technical Service is committed to your success and is always available to assist you any need. NONIS srl is in possession of the Quality Management certification System in compliance with UNI EN ISO 9001: 2015 for the design, production and after-sales technical service, calibration & checks on systems weighing

- Online monitoring
- On-site assistance service
- Hotline +39 0159842291