

Infrastructure engineered to last 50 years.

Modular pontoon in pultruded GRP profiles for marina berths, port infrastructure and platforms on open water. Structurally calculated for saline corrosion, wave motion and continuous UV exposure, with no routine maintenance.

RINA — MARINE CERTIFICATION

CNR-DT 205/2007 — FRP STRUCTURES

CAM — ITALIAN DECREE 36/2023

50

years of
certified
service life
CNR-DT
205/2007

0

scheduled routine
maintenance
operations

0

release of biocides
or heavy metals
into the water

E23

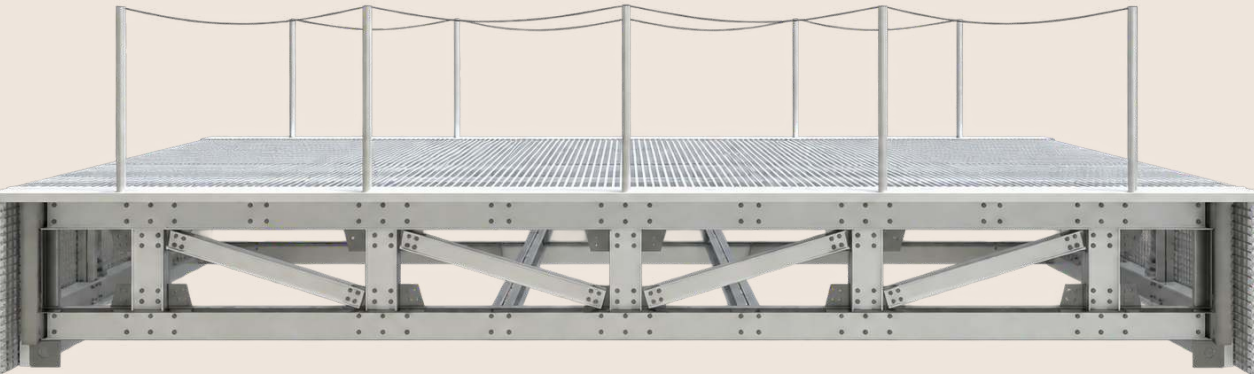
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T CONFIGURATION — MIXED RAILING, INTEGRATED LEDS, PILE ANCHORING

One module. Endless configurations.

The base module is load-certified and series-produced. It aggregates through standardised AISI 316 joints: the configuration is defined at design stage and altered in service by adding spans, with no need to redesign the structural core or interrupt operations.



BASE MODULE 6,100 × 2,445 MM — STRUCTURE, GRATING, FLOATS AND RAILING

01

Module

Load-certified base unit, series-produced and interchangeable.

02

System

Aggregation through standardised AISI 316 joints, loads verified at every node.

03

Application

Anchoring adapted to site morphology: piles, chain moorings or a mixed scheme.

04

Scalability

New modules on existing connections, with no downtime.

STANDARD MODULE

Dimensions	6,100 × 2,445 mm
Main beams	PU-150×50×5
Cross beams	PI-150×75×8
Decking	GO-38×38-19×19-H30
Connections	AISI 316 bolting
Tensile strength	240 MPa
Elastic modulus	23,000 MPa

ACCESSORIES INTEGRABLE ON THE CERTIFIED FRAME

-  **Modularity**
expansion on two axes
-  **GRP railing**
or mixed with nautical rope
-  **Integrated LEDs**
IP68, 24V DC
-  **Floats**
passive compensation
-  **Canopies**
GRP pergolas and kiosks

Built to last. Calculated to pay off.

Steel and timber cost less to buy, but every 3–5 years they require painting, sandblasting, inspections and anti-corrosion treatment. Over 50 years this recurring item exceeds the initial cost of the GRP system.

ITEM	STEEL / TIMBER	RS COMPOSITI GRP
Structural life	15–20 years, replacement required	50 certified years
Routine maintenance	High: painting, sandblasting, inspections	Zero scheduled operations
Anti-corrosion treatment	Mandatory and cyclical	Not required, inherent immunity
Toxin release	High: paints, biocides, heavy metals	None across the whole service life
CAM alignment	Difficult: documented dispersal	Native: Italian Decree 36/2023
Permanent or temporary	Permanent and heavy	Light, demountable and repositionable

01

Documented service life
The result of a structural calculation to CNR-DT 205/2007, not a commercial estimate.

02

Zero marine chemistry
No biocides or heavy metals released into the port ecosystem.

03

Maintenance avoided
Transport, waste and chemicals never released into the environment.



RS COMPOSITI

HEADQUARTERS

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