



TEMANO

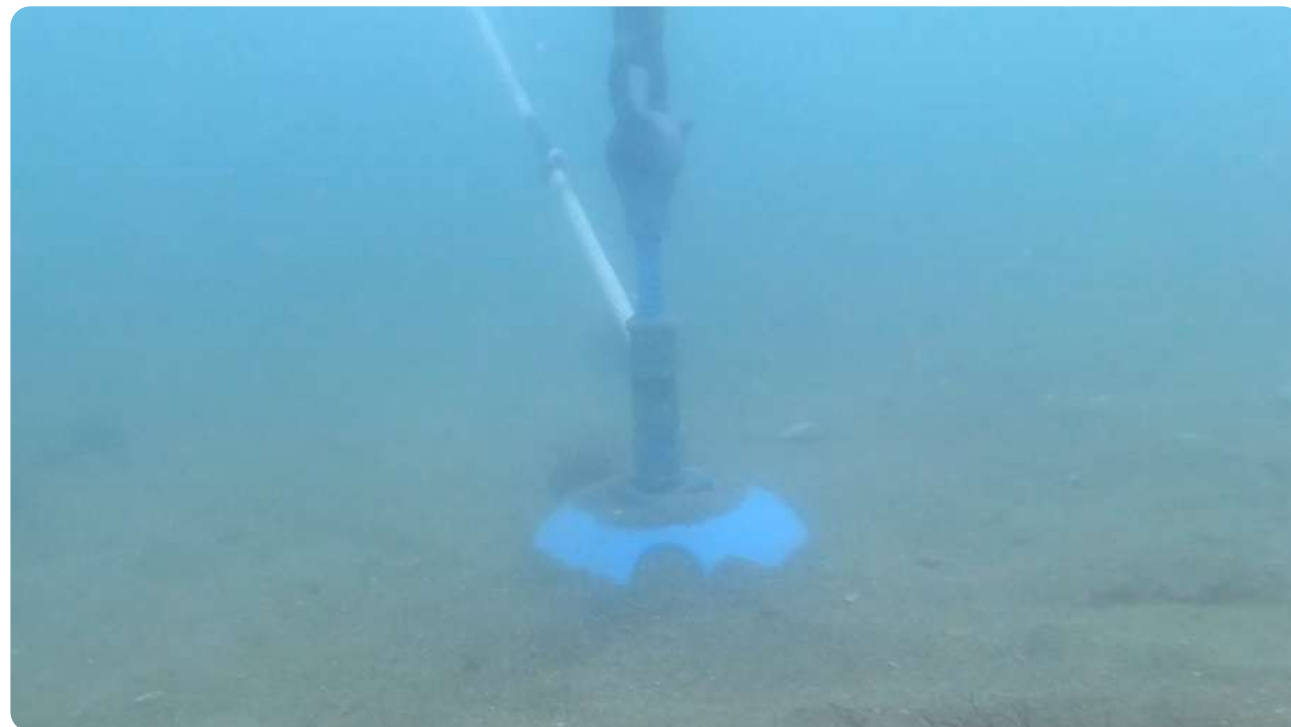
**Pontoons and floating structures
on Temano® elastic-textile mooring lines**



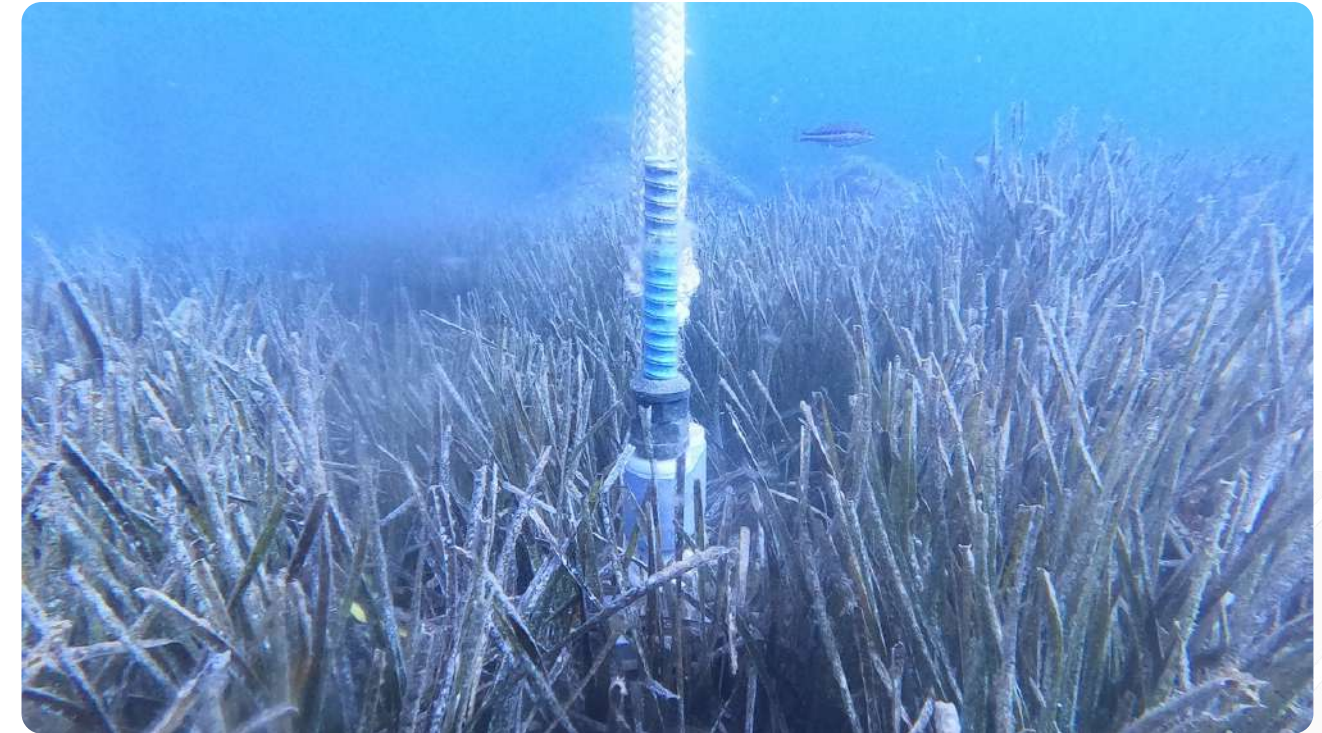
Temano[®] Anchor



Anchor on rock



Anchor on sand



Anchor on seagrass

Advantages

Compatible with all types of seabeds

Reduced impact on the seabed 

Strength up to 54 tons per anchor

Low raw material consumption

Reduced CO₂ emissions 

Reversible solution

Our solutions

Temano® shock absorber



Shock absorber elongation	Initial length	100 %	200 %	300 %
Rubber 45 Shore A*	0 kg	220 kg	400 kg	700 kg
Rubber 65 Shore A*	0 kg	350 kg	850 kg	2500 kg

*Shore A : measures the hardness of soft materials such as rubbers

Specifications

- Elongation ×4: better shock absorption and tension peak reduction
- Natural rubber 
- No seabed abrasion 
- Compatible with anchors and mooring blocks
- Safety line in Dyneema®: 10-ton resistance
- Lightweight for handling
- Available in multiple rubber hardness levels and lengths
- Suitable for buoys with a volume > 500 L
- Outer diameter: 60 mm



Our solutions

Temano® sandow, bungee line



Specifications

- Natural rubber 🌿
- No seabed abrasion 🌿
- Lightweight for handling
- Breaking strength: up to 15 T
- Available in multiple rubber hardness levels and lengths
- Several sheathing options available depending on requirements: desired strength, elongation ratio, UV resistance, etc.

Sandow elongation	Initial length	100 %	200 %	300 %
Rubber 45 Shore A*	0 kg	28 kg	45 kg	82 kg
Rubber 65 Shore A*	0 kg	47 kg	96 kg	200 kg

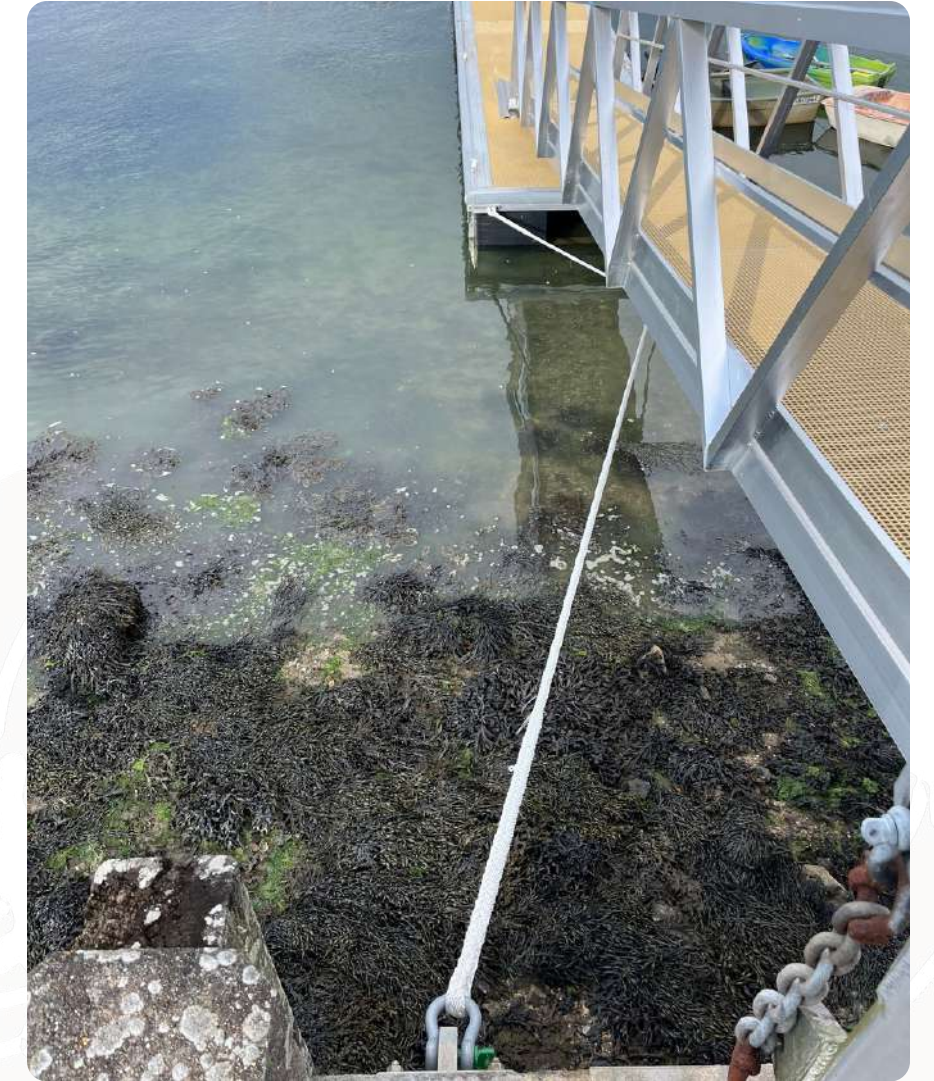
*Shore A : measures the hardness of soft materials such as rubbers

Advantages of using sandow for buoys

- Remains vertical even with water-level variations
- Reduces the swinging radius
- Compatible with anchors and mooring blocks
- 4× elongation: better shock absorption and reduction of tension peaks



Pontoon on **Temano®** shock absorber

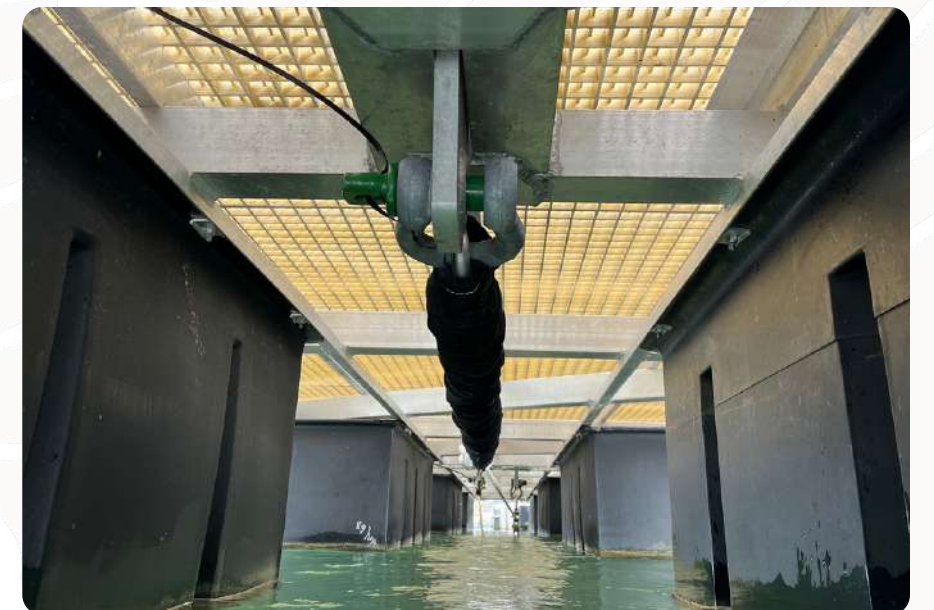


The advantages of shock absorbers for pontoons

Compensates for water level variations
Prevents shocks and tension spikes
Distributes loads

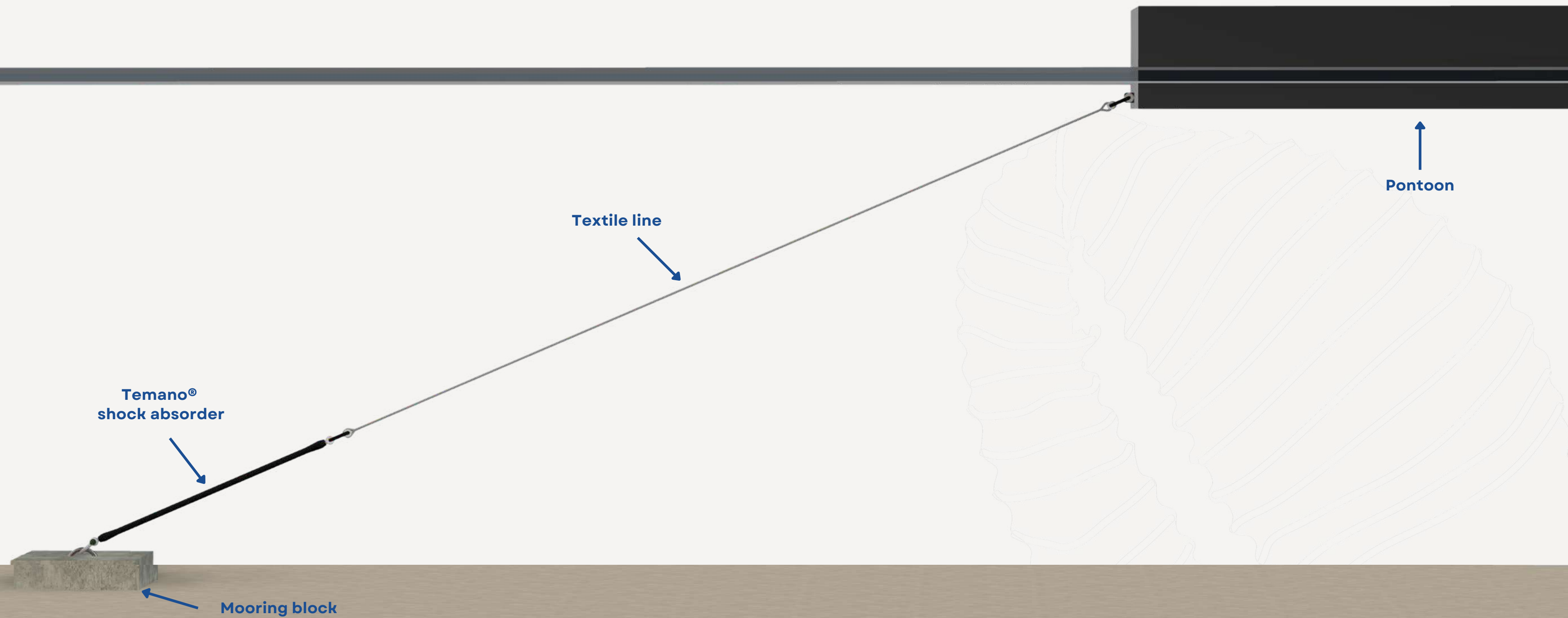
Our projects

- Guerlédan lake (56)
- Marina of Baden (56)
- Marina of Saint Philibert (56)
- Marina of Audierne (29)
- Marina of Pouliguen (44)
- Tahiti



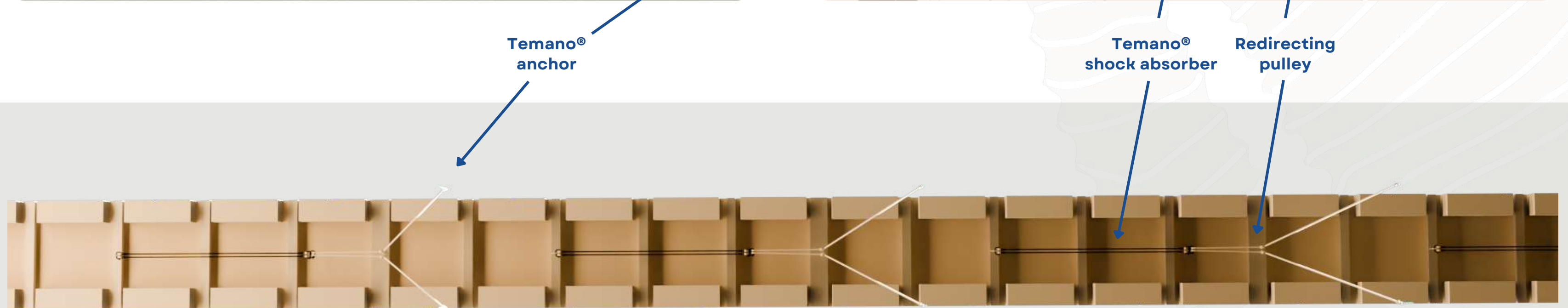
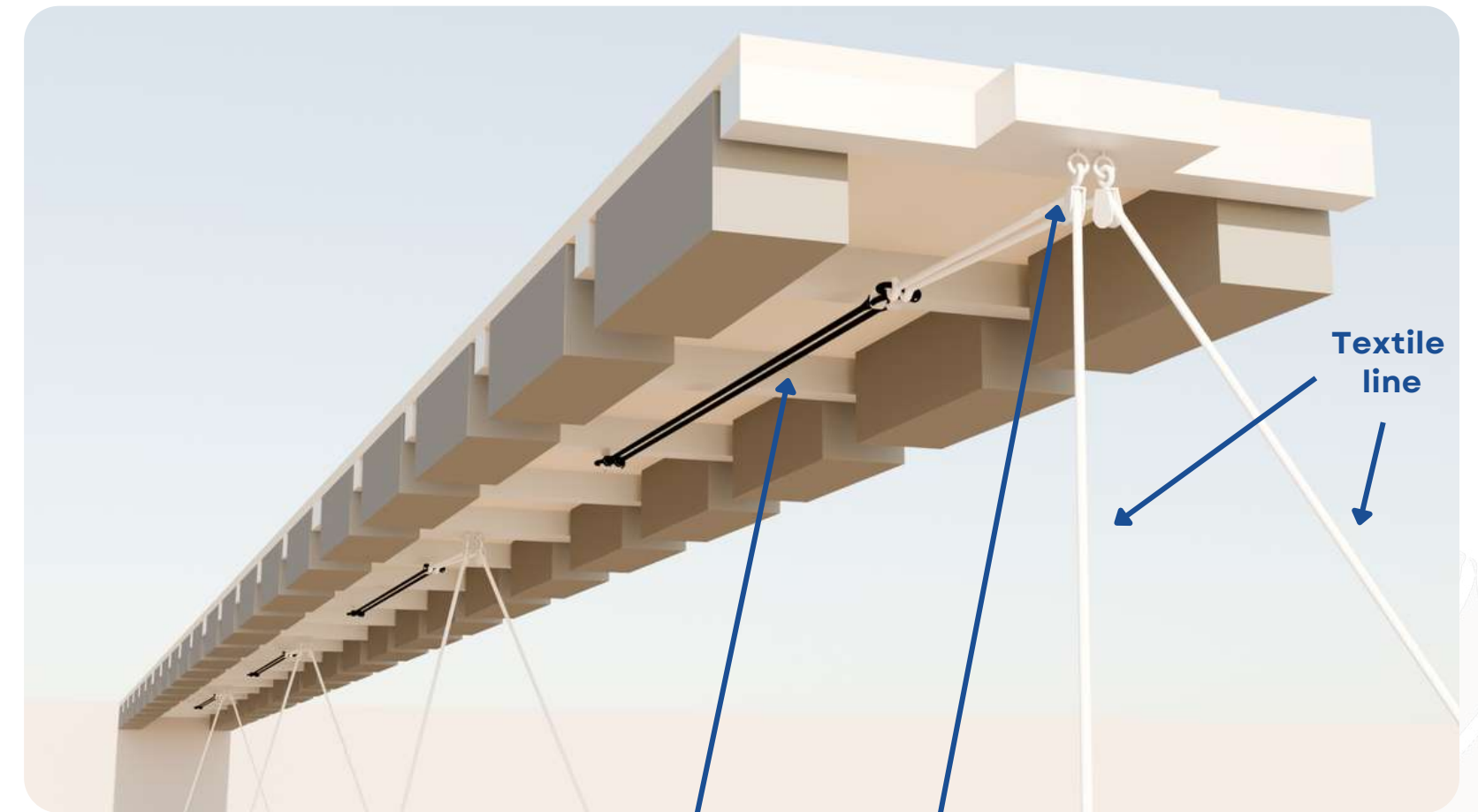
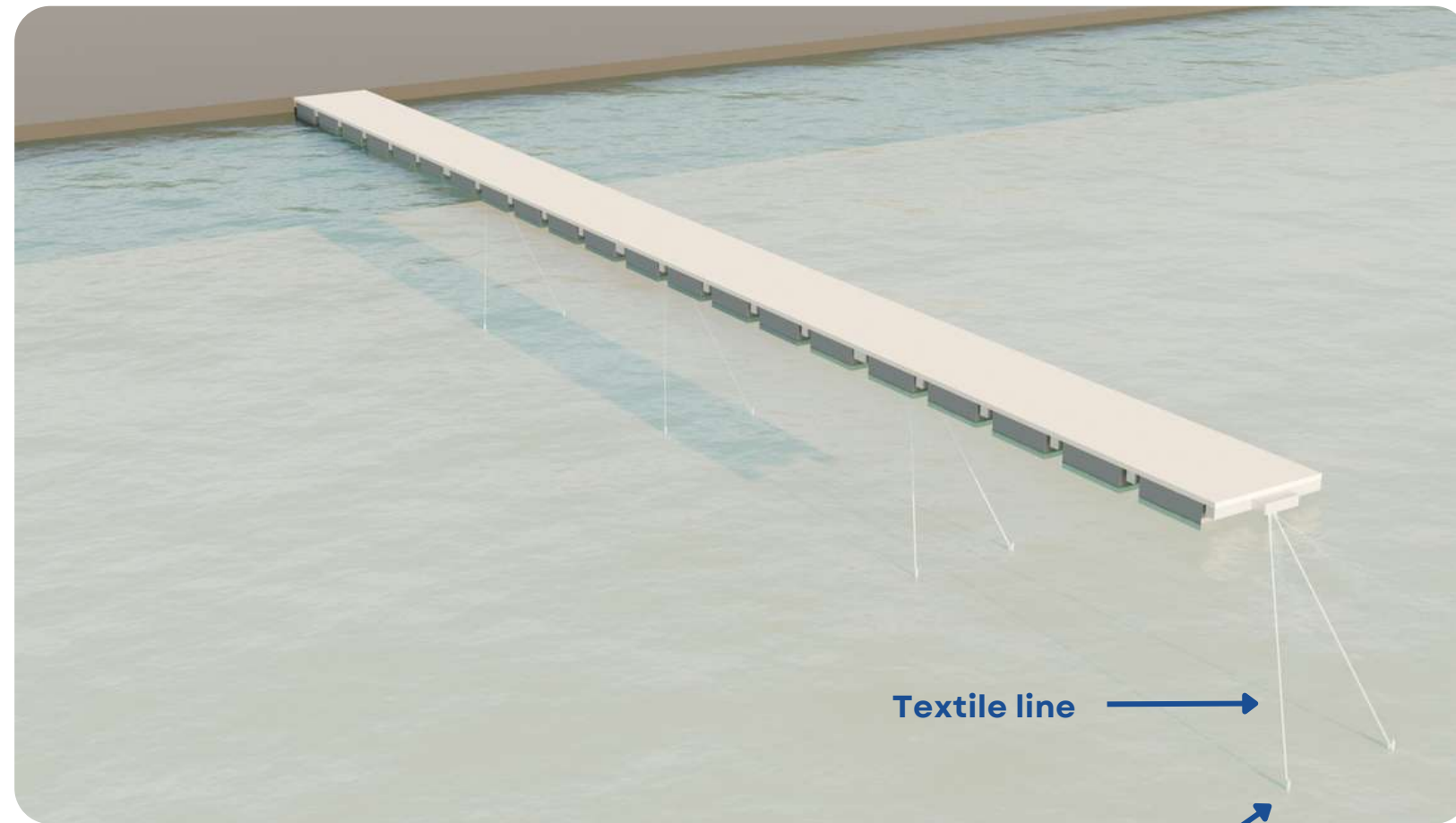
Temano configuration

Shock absorber in line



Temano configuration

Shock absorber with distributed tension

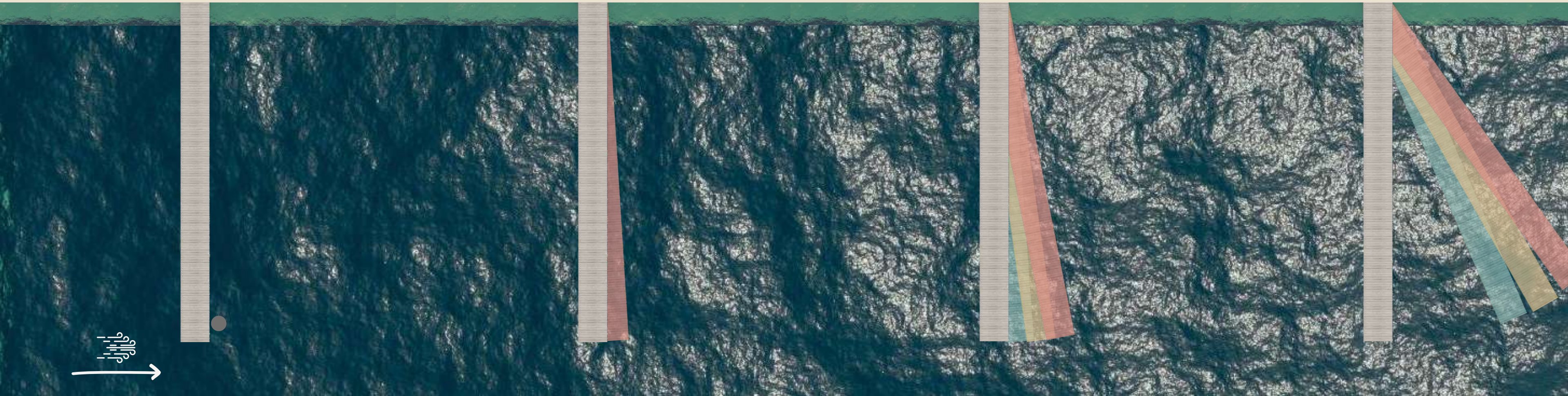


Existing solutions on the market

Technical comparison



- Low swell and wind
- Medium swell and wind
- Strong swell and wind

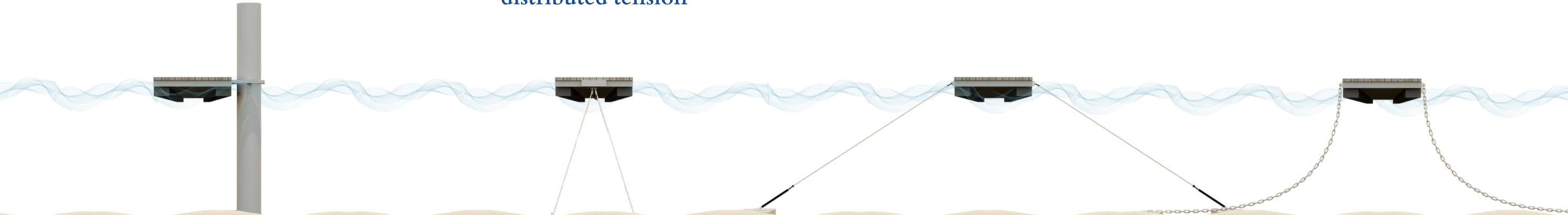


Piled pontoons

Shock absorber with distributed tension

Shock absorber in line

Chain-moored pontoon

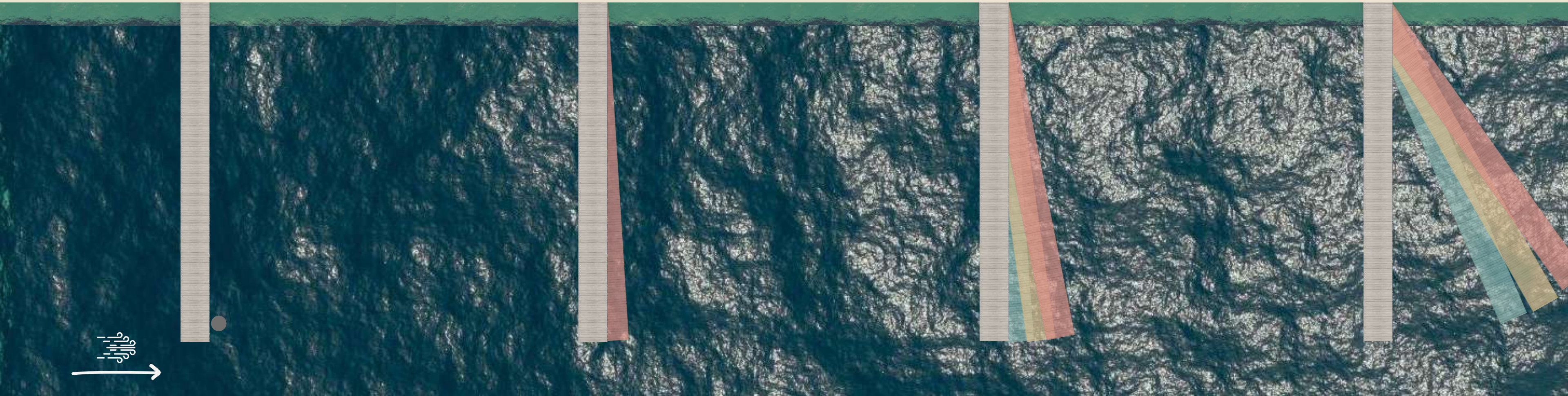


Existing solutions on the market

Technical comparison



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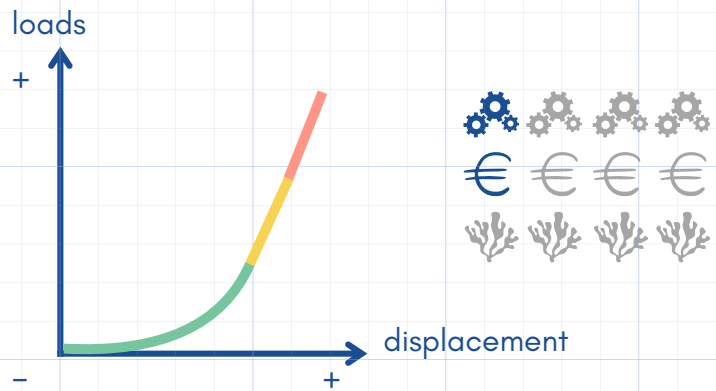
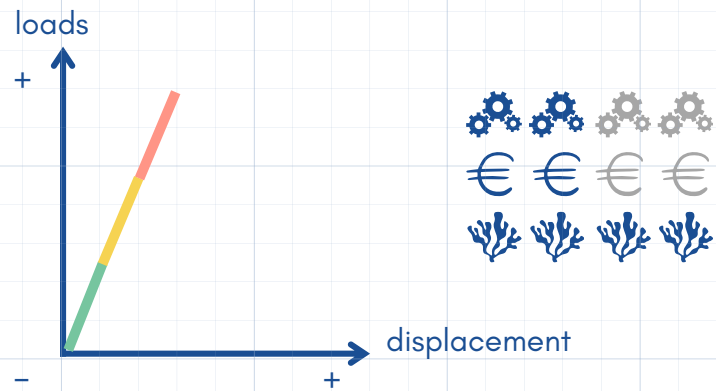
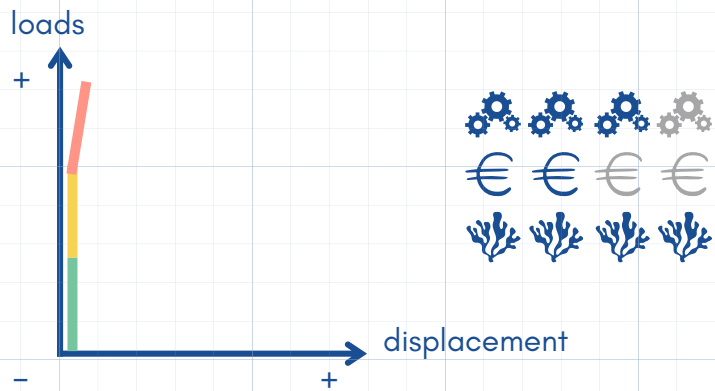
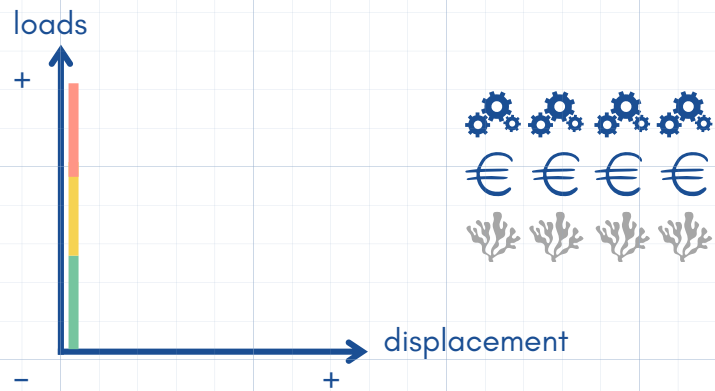


Piled pontoons

Shock absorber with distributed tension

Shock absorber in line

Chain-moored pontoon



Services

Thanks to its integrated organisation, Temano controls every stage, from design to installation, with a focus on continuous improvement.

Maritime works

- Installation of mooring lines
- Construction of underwater anchors
- Salvage of shipwrecks
- Monitoring & maintenance

Engineering office

- Support throughout the entire project
- Feasibility studies
- 3D simulations
- Strength calculations
- Dimensioning and stress calculations
- Customised solutions

Production

- Custom manufacturing and assembly
- Quality control

*Raise
operational
issues*

Manage

*Provides more
suitable,
maintainable and
effective solutions*



Area of application

Temano



Boat mooring



Yachting mooring



Pontoons



Aquaculture



Buoyage



Marine renewable energy

Contacts



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