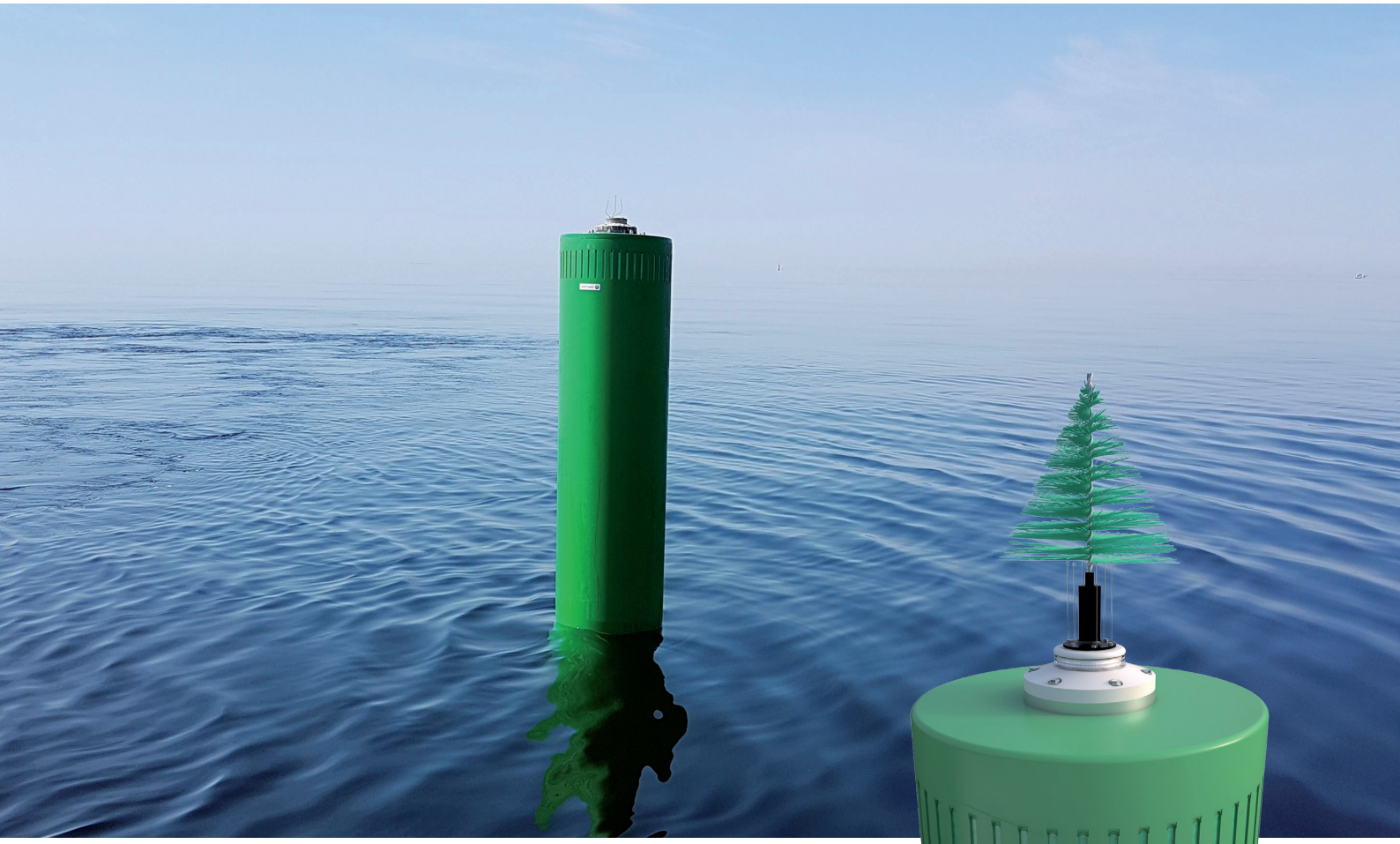
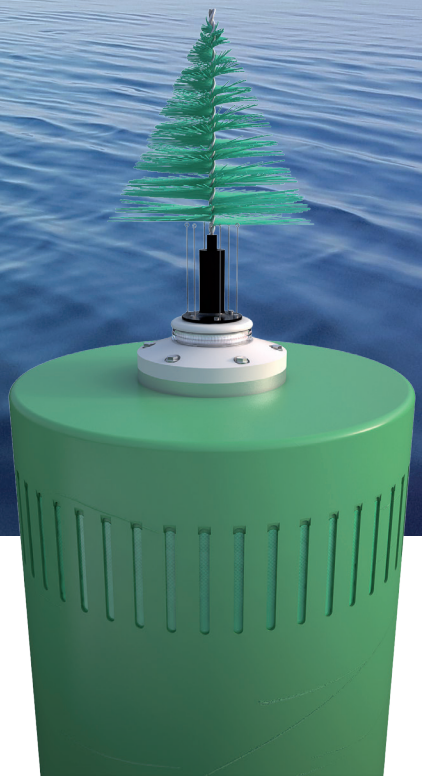
Offshore Buoy

VPU800





Designed and tested for high seas

Offshore Buoy VPU800 has proven track record of excellent performance in offshore locations. It provides robustness and conspicuity that is equal to conventional steel buoys, but much more maintenance-free years.

VPU800 is deployed in conventional way by using sinker and heavy slack chain. The movements of the buoy are calm even during high sea. This is because the buoy has excellent stability due to the high metacentric height (GM).

The storm and ice tolerance is superior compared to conventional shaped buoys. The slim body shape and semi-submerged structure exposes the buoy to less force caused by the waves or drifting ice.

The buoy can be equipped with any lantern in the market, self-contained or battery operated. Additional instrumentation and sensors of any kind can be encapsulated inside the buoy body.

Area of use

Offshore with high sea

Rough arctic sea areas

Smart Buoy solutions

Platform for various use

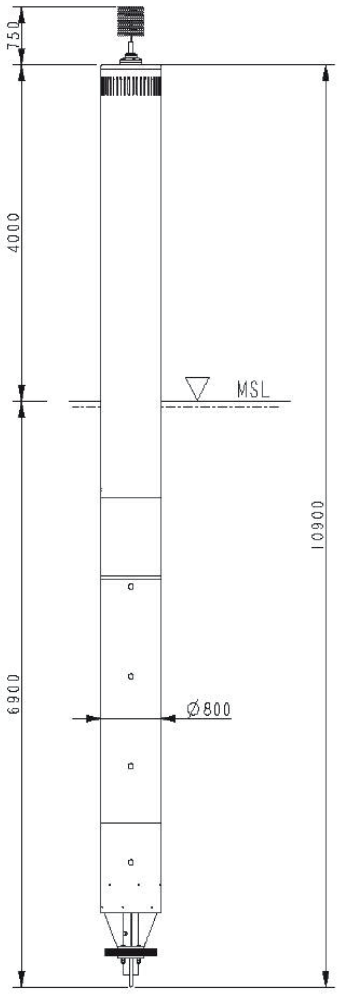
Offshore Buoy
VPU800

Specifications

*) can be adjusted according to customer needs

Overall length *)	10.9 m	Retro-reflector	380 cm² (3M diamond)
Diameter	800 mm	Radar reflector	Trihedral TH800
Draft *)	6.9 m	Radar cross area	130 m² (X-band)
Wall thickness	30 mm	Surface color	IALA-E108
Polyethylene material	HD 100 extruded pipe	Color and UV stability	26 years (lat. 50) on main surfaces
Polystyrene filling	EPS 150 closed shell	Mooring sinker weight	5 - 7 ton
Dry weight without ballast	1080 kg	Maximum current	2 kn
Required ballast weight *)	420 kg	Maximum wave height	8 m (significant)
Buoyancy at MSL	1500 kg	Lantern *)	Sabik as default
Focal plane at MSL *)	4.0 m	Battery capacity *)	220 or 1000 Ah
Nautical conspicuity	4 NM	Top Mark	Optional

We can customize the buoys for your needs



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