

Pipe laying buoys

Flexible pipes and umbilicals require the use of buoyancy modules to reduce topside or tension loads and assist in achieving particular configurations which include steep, lazy, W-wave and pliant. At the same time, hoses, cables, ropes and umbilicals may need special float to be lightened underwater.

The density and composition of the modules are based on operational requirements tailored to project requirements such as:

- hydrostatic pressure
- uplift
- water ingress
- flexible diameter
- length

VEOS Marine & Offshore is able to offer bespoke distributed buoyancy solutions as follows:

- Rotary moulded polyethylene shell filled with polyurethane foam filled core suitable for shallow water
- Rotary moulded polyethylene shell filled with syntactic foam filled core in a range of densities for deep water

Each module can be fixed either with a clamping system and/or fastening straps.



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Shallow water with PU hard foam

Density (kg/m ³)	Water Depth (msw)
100	Up to 100
200	Up to 200
300	Up to 300
400	Up to 400

Subsea application with syntatic epoxy foam

3 types of filling material:

- Standard
- Light
- Extra-light

3 depth ranges:

- Up to 1 000 msw / Crush test 150 bars
- Up to 2 000 msw / Crush test 300 bars
- Up to 3 000 msw / Crush test 450 bars

