



data buoy platforms



moorings



navigation buoys



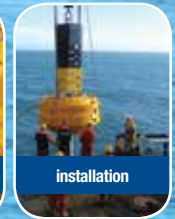
hydrosphere



navigation lights



mooring buoys



installation

the UK's leading supplier of aids to navigation

# Hydrosphere Rentals Ltd

As the UK's leading supplier of aids to navigation, Hydrosphere Rentals Ltd provides high quality and cost-effective lights, buoys, chains and sinkers for rental.

## navigation lights

Hydrosphere Rentals Ltd offers a range of marine navigation lights to rent for use on a variety of navigation buoys and data buoy platforms. Representing a world-renowned innovator in marine technology – Vega Industries Ltd – Hydrosphere provides high performance, standalone and self contained solar powered LED lights that range from 1-5NM. All lights are able to exhibit all standard IALA flash characters.



## buoys

Hydrosphere is the exclusive UK and Ireland distributor for world-leading buoy manufacturer Mobilis. We offer a range of navigation buoys and data buoy platforms to rent in a variety of sizes and configurations, from 3.0m to 1.2m hull diameter.

All Mobilis buoys have a unique modular design and are constructed from UV stabilised medium density polyethylene (MDPE), making them easy to transport and greatly reducing the need for maintenance, inspection and spares holding for longer periods of rental.



## sinkers & chains

Robust, cast-iron sinkers weighing from 500Kg to 5 tons and a selection of chains, swivels and shackles are available to suit all our products for rent. We will be happy to guide you on the right solution for your specification.



Hydrosphere Rentals Ltd

aquaculture | marinas & sailing clubs | ports & harbours | offshore renewable energy | oil & gas

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# Hydrosphere Rentals Ltd specifications & applications

## buoys

Buoy	Dia. m	Mass Kg	Max Ballast Kg	Max Kg	Gross Buoyancy Kg	Reserve Buoyancy Kg	Inshore	Estuary	Coastal	Offshore	Chain mm	Sinker Kg
JET 9000 QI HV-PF4	3.0	2100	500	2600	9000	6400	√	√	√	√	30 - 38	3000 +
JET 7000 QI HV-PF3	2.6	1750	500	2250	7000	4750	√	√	√	√	30 - 38	3000 +
JET 2500 Q PF2.5	1.9	750	200	950	2500	1550	√	√	√	√	20 - 25	2000 - 3000
JET 2000 J PF2.5	1.9	650	160	810	2000	1190	√	√	√		20 - 25	2000 - 3000
T 1200	1.2	100	50	150	835	610	√	√	√		10 - 20	1000 - 1500
DB 8000	3.0	2140	-	-	8000	-			√		30 - 38	3000 +
DB 2000	1.9	910	-	-	2000	-	√	√	√		20 - 25	2000 - 3000
DB 650	1.2	135	-	-	650	-	√	√			10 - 20	1000 - 1500

## navigation lights

Light	Max Range (NM at 0.74T)	Solar Powered	Input Power 12v dc	Optional Synchronisation	All-round	Suitable Buoy
Vega VLB-1	1	√			√	DB & FB 800-400
Vega VLB-2	2	√		√	√	T 1200, DB 650
Vega VLB-67 SS	4	√		√	√	JET 2500, JET 2000, DB 2000
Vega VLB-36 SA	6		√	√	√	JET 9000, JET 7000, DB 8000
Vega VLB-36 XL	6	√		√	√	JET 9000, JET 7000, DB 8000

## chains

**38mm** - suitable for the JET 9000, JET 7000 and DB 8000

**26mm** - suitable for the JET 2500, JET 2000 and DB 2000

**16mm** - suitable for the T 1200 and DB 650

All chains are available in lengths of approximately 27m.

**Guidelines only.** See individual product datasheets for full specifications.

## the right navigation aid for the job

To make sure you get the right solution for your requirements consider all of the factors that will affect the visibility and stability of the aid including: the depth of water; sea conditions and current; lighting and range of light required; shape and topmarks; and focal plane.



**hydrosphere**

### about Hydrosphere

Hydrosphere is the UK's leading supplier of aids to navigation and has been providing cost-effective solutions to the marine industry for more than 20 years. We offer a wide range of navigation and mooring buoys, LED navigation lights, sector lights, rotating beacons, leading lights, jetty masts, beach and zone marking products and associated moorings. Rental, installation and maintenance services are also available for all our products and systems.

**For more information please contact us.**

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Compliant with all IALA recommendations.

