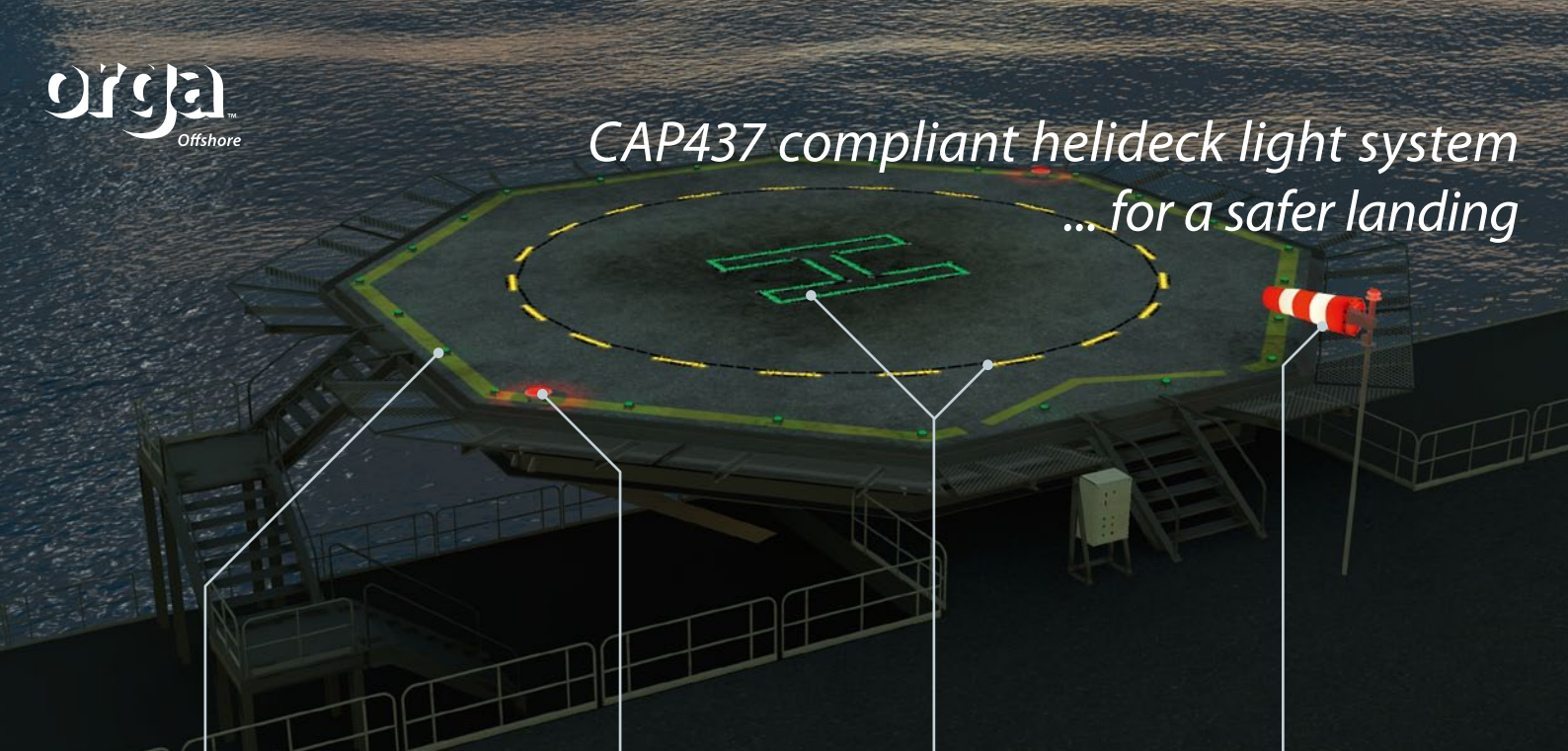


CAP437 compliant helideck light system ... for a safer landing



Orga Offshore CAP437 compliant helideck light system

Effective, reliable helideck lighting systems are essential for safety to ensure that offshore structures are visible to pilots in all weather conditions.

Sharing our experience

With more than 35 years' experience in the design and manufacture of offshore and aviation installation requirements we supply complete solutions for our customers.

We work with regulatory bodies around the world and provide systems to comply with national regulations, as well as those of the International Civil Aviation Organisation, the local Civil Aviation Authorities and the International Association of Lighthouse Authorities.

Solving problems

Our offshore helideck lighting systems are not just about perimeter lights and windsocks, we provide a complete solution, and work with our customers to develop systems adapted to their requirements. We understand the objectives of the project stakeholders and balance these with the need to meet regulatory requirements and ensure safe operation.



Benefit from our expertise

We offer innovative products and apply the latest technology: smart and simple, perimeter lights, windsocks and status lights. Our systems are recognised as state of the art, reliable, energy saving and operationally cost-effective.

We work closely with our customers to continually develop our products, including functionality such as day–night control, flash synchronisation, over voltage protection, and comprehensive performance monitoring.

When training and onsite support services are required, we have factory based engineers available to provide installation, commissioning and troubleshooting support.

New UK CAP437 requirements

The August 2011 version of the CAP437 guidance of the UK CAA indicates the changes of the helideck light systems, including helideck status light systems, touchdown / positioning marking circle and Heliport identification marking (H). These changes will have an impact on the perimeter lights, floodlights and the Helideck status light. Orga can supply a system in full compliance with the new CAP437 requirements.

For further details we refer to the CAA internet site www.caa.co.uk/docs/33/CAP437.pdf.



Perimeter lights

Orga can offer an LED green 30Cd perimeter light which has a very long lamp life of 100.000 hours, offering increased maintenance savings. The lights should be equally spaced at intervals of not more than 3 meters around the perimeter of the safe landing area.



Circle 'H' Lighting system

A new requirement for CAP437 is the introduction of illuminated panels for the touchdown / positioning marking circle and Heliport identification marking (H). Orga has been involved in trials for the CAA and is now in the position to offer these products in the second half of 2011.

This system eliminates the so called 'black-hole' effect and gives the pilot accurate cueing and positioning information during approach to the helideck.



Helideck status light system

A helideck status light system should be installed if a condition can exist on an installation which may be hazardous for the helicopter or his occupants (i.e. gas alarm). The status light signalling system should be visible 360° around the offshore structure with a flash rate of 120 flashes per minute. The system shall be fully automatic and controlled by means of a control panel in combination with the platform gas detection system.

Orga is able to supply the most state of the art product available; offering low power consumption (35W) and at under 250mm in height it can be mounted directly on the helideck alleviating the need for expensive frameworks to meet CAP437 regulations.



Illuminated windsock

A wind direction indicator (windsock) should be provided and located so as to indicate the wind conditions at the offshore location. The windsock should be visible during the approach of the helicopter to the deck. The windsock should be illuminated for night time operations by means of an internal floodlight. As an option, Orga can supply this windsock with a low intensity aeronautical obstruction light included.



Floodlights

With the introduction of the touchdown /positioning marking circle and Heliport identification marking (H) lighting system the requirements for helideck floodlights for flight operations has become obsolete. However for deck operations and personal movement these will still be a requirement. Orga can offer a tailored solution to meet the needs of your deck for both flight and normal operations.

With a total overview of the platform, including helicopter deck, we will be able to advise you about the location of the helideck lights.

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