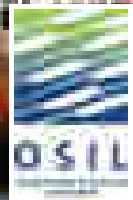



**marine
environment**
—
instruments
and systems





Marine science and technology has grown in importance, on a global scale, in the past two decades due to the increased impact of oil exploration, climate change, mineral extraction, fishing and industry.

PORT & HARBOUR DEVELOPMENT




One area of significant growth in the past decade or so has been port and harbour development where dredging operations are necessary. Data buoys are used effectively to monitor suspended sediment in the water by the use of turbidity sensors on remote platforms such as buoys. These systems provide effective real-time monitoring for the dredging operation in order to minimise environmental damage and dredger down-time.

IMPORTANCE OF SEA-BED STUDIES



Sea-bed studies continue to grow in importance due to the increased demand for minerals and hydrocarbons along with the need for subsea structures such as cables, pipelines and most recently sources of renewable energy. Improved design of corers (e.g. box, gravity, vibro and multiple) have all been developed at OSIL and these continue to be widely used in the collection of sediment samples for chemical, geological and biological studies.



The background image shows a harbor scene with a large ship in the distance and a city skyline on the left. The sky is blue with white clouds. A large, dark blue circular graphic is overlaid on the right side of the image, containing white text.

OSIL's areas of expertise include conductivity, current flow, dredge monitoring, marine nutrients, meteorology, ports/harbours, salinity, seabed sampling, sound velocity, underwater video, water quality, waves/tides.

ABOUT OSIL

Founded in 1989 to take over operation of the IAPSO Standard Seawater Service, OSIL has expanded into a multi-million pound business offering instruments and systems for marine environmental & offshore monitoring. Understanding clients' requirements and the provision of 'on-tap' consultancy is central to the OSIL philosophy. The company employs marine scientists, engineers and technicians who work together to deliver solutions for a wide range of environmental projects.

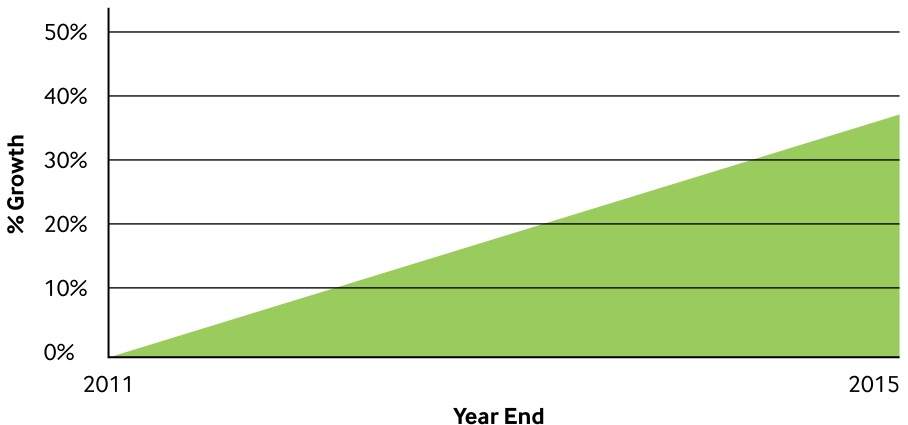
TECHNICAL SUPPORT

OSIL operates an ISO9001:2008 accredited Service Centre which provides calibration, service, repair and technical support for laboratory and field marine instruments and systems. OSIL also produce a range of high precision standards for the calibration of salinity, nutrients and dissolved oxygen in seawater. The Service Centre now holds over a thousand instruments on its books for regular maintenance.

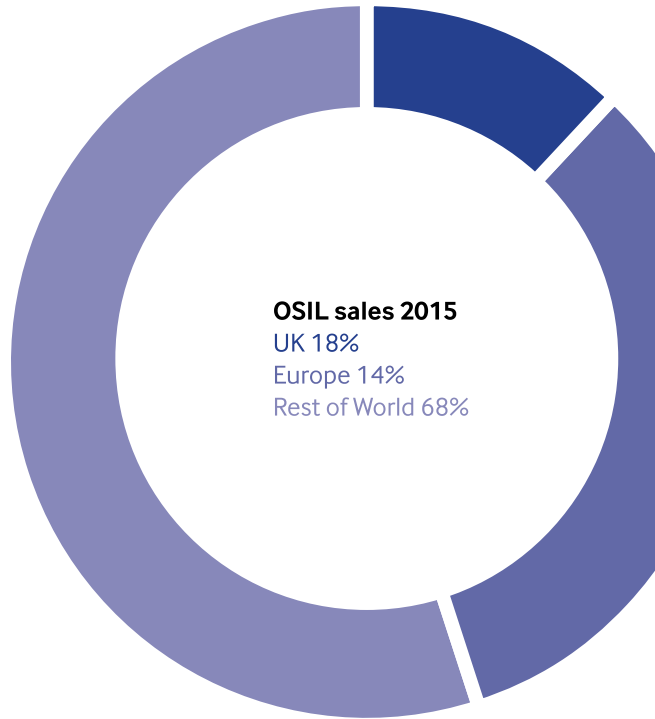
OSIL GROWTH

As demand increased for OSIL products and services the business has increased by over 30% since 2011.

OSIL: % Growth since 2011



OSIL has clients in over 75 countries worldwide and over half of its business is with clients outside the UK.



CLIENTS

Associated British Ports (ABP), BP, Clyde & Co, Det Norske Veritas, Kuwait Environment Public Authority, Fugro GEOS, Gardline Environmental, GEMS Survey, Halliburton, HR Wallingford, Jacobs, Qinetiq, RWE Nukem, Safège, Thales, TOTAL, WS Atkins, Shell, Alfred-Wegener Institute for Polar and Marine Research, British Antarctic Survey, CEFAS, CSIRO, Environment Agency, Ifremer, KORDI KIOST, National Oceanography Centre Southampton, SEPA, Scripps Institute of Oceanography, Woods Hole Oceanographic Institution, Helix, Mitsubishi Heavy Industries, Petrobras, Medco, Jamstec, KOPRI, STX, VLIZ, Shirshov Institute, Kuwait EPA, Hyundai Heavy Industries.

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