

**News Release**

4 December 2006

## Global Marine installs South Korea's First Deep Ocean Observatory System

**Chelmsford, UK:** Global Marine Systems Limited, the independent market-leading subsea cable installation and maintenance company has successfully installed South Korea's first deep sea Ocean observatory system to help detect high levels of seismic activity.

The 20 kilometre seismic cable installed in November, as part of a test project for the Korea Meteorological Administration (KMA), stretches from the island of Ulleungdo, 135km east of the Korean peninsula, out to sea. If successful, similar systems could be rolled out along the whole of the Korean Peninsular.

Derek Greenham, Solutions Design Manager at Global Marine said, "This is a vital and exciting new project for South Korea. We are delighted to be working with KIT Valley to help provide the Korean Meteorological Association with a viable cost effective monitoring solution to provide new insights into coastal activity across the region."

Global Marine's Wave Mercury ship installed the seismic cable and OBU (Ocean Bottom Unit) at a depth of 2,000 metres on behalf of its client KIT Valley, providers of seismic monitoring systems. The OBU acts as a "listening device" on the seafloor, by sensing changes in water pressure and acoustic vibrations. This data is then relayed back in real time via the seismic cable direct to staff at the KMA.

The cable installation and testing was completed in 4 days and full results of the test project are due in 1 January 2007.

KIT Valley Director Han SehSub said, "Global Marine has a proven track record in working on underwater infrastructure projects. We knew the installation would be completed to the highest standards in our short timeframe, and the project would be operational as quickly as possible."

"Asia is one of the most active regions for tsunami activity in the world and this test project could play a significant part in developing the long-term safety of South Korea's coastal areas," he added.

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Notes to Editors:

**For more information please contact:**

Peter Fitzpatrick/Kathryn Hughes

**hbl media**

Tel: +44 (0) 207 612 1830

Email: peter@hblmedia.com / kathryn@hblmedia.com

Deborah Bartlett

**Marketing & Communications**

Global Marine Systems Limited

Tel: +44 (0) 1245 702105

Email: deborah.bartlett@globalmarinesystems.com

#### **Additional information for editors:**

##### **About Global Marine**

Global Marine, an independent marine engineering company, has been in business for well over 150 years and continues to be the pre-eminent provider of submarine cable installation and maintenance services in the world. Operating the world's largest fleet of cable ships and subsea vehicles, it is a market leader in marine cable installation and maintenance for telecommunications, as well as scientific research, oil, gas, utilities and the renewable energy sector.

Global Marine is headquartered in the United Kingdom with regional offices in the United States and Asia. The company has established strategic alliances with several of the industry's leading companies and has successful Joint Ventures and partnerships with SBSS in China (China Telecom), NTTWE Marine in Japan (NTT) and ICPL in Singapore (SingTel and ACPL).

Global Marine has installed more undersea fibre optic cables than any other operator, and more than 50% of the world's buried fibre-optic cables have been installed by Global Marine. And between 30 and 40% of all subsea cables repairs and maintenance are undertaken by the company.

In May of this year, Global Marine and its Japanese joint venture partner, NTT World Engineering Marine (NTTWEM), completed a seismic cable repair for the Japan Agency for Marine-Earth Science and Technology (JAMSTEC) off the Muroto Cape.

**Learn more at:** [www.globalmarinesystems.com](http://www.globalmarinesystems.com)

##### **About KIT Valley**

KIT Valley is a Korean company providing hardware and software for disaster information systems for earthquakes and tsunami's. The company has already provided the Earthquake Disaster Information System (EDIS) to the National Emergency Management Agency (NEMA) - EDIS predicts the damages of buildings and persons when earthquake occurs) and an Ocean Bottom Seismometer (OBS) to the Korea Meteorological Administration (KMA) this year.

KIT Valley has developed multi-function servers since 1992 and is planning to install a Tsunami Warning System in the future.

**Learn more at:** [www.kitvalley.com](http://www.kitvalley.com)