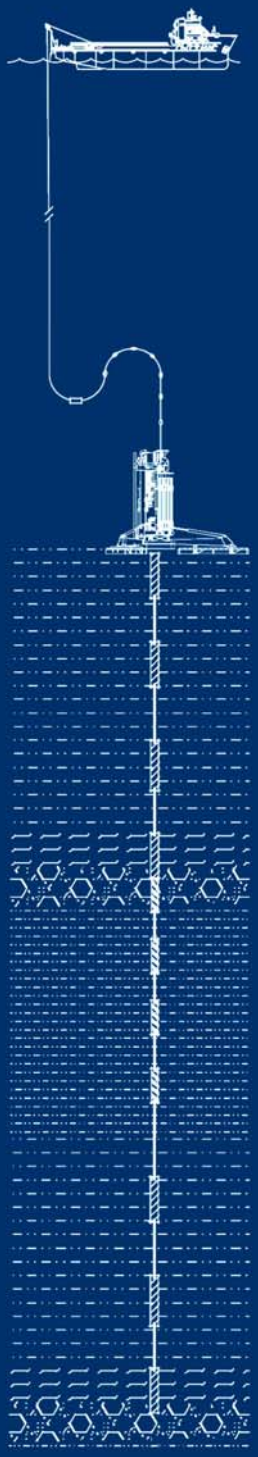
# Successful operations in 2000m



## Nov 2005 - PROD delivers excellent sample recovery in ultra-deep water.

Benthic Geotech's PROD system has carried out a safe and successful drilling, sampling and insitu testing programme in a range of water depths between 1000m to 1600m offshore East Asia.

As part of the campaign, en route from the mobilisation port of Singapore, Benthic Geotech conducted a number of deepwater trials of PROD and were very happy to report that PROD successfully completed functionality trials in 2,000m water depth.

### Project Details

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|---|---|---|---|
| Date: | Sept. – Nov. 2005 | Geology: | turbidites, sand, mud |
| Location: | East Asia | Description: | Multiple borings to a max. depth of ML-40m with continuous sampling and real-time methane sensing during drilling |
| Vessel: | 53m DP1 ROV Supplier | | |

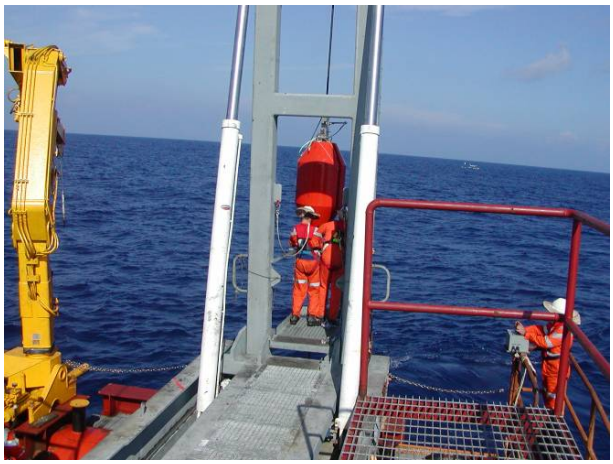
## Significant advancements in PROD

A number of innovative features in the PROD system were used for the first time. These included:

- Dedicated Launch and Recovery System (LARS) which improved the safety and handling of the PROD on and off the vessel in a broad range of sea and weather conditions.
- Soft sediment PROD feet that ensured the base plate stayed at the mud line providing a very stable drilling platform. The broad area of the feet minimised disturbance of the soil structure in the upper soil profile.
- All borings included real time methane sensing while drilling incorporating Benthic Geotech's patented Hydrocarbon Analysis System. This system facilitated determination of the relative proportion of hydrocarbons in the soil and was capable of detecting the presence of any shallow gas and methane hydrates.

Excellent productivity was achieved with the duration from PROD launch to recovery being around 6 hours for a 20m borehole in 1000m water depth and around 12 hours for a 40m borehole in 1500m water depth.

Benthic Geotech's CEO, Peter Williamson, stated "We are very pleased that we have had the opportunity to demonstrate that the PROD technology is a reliable, cost effective, technologically advanced tool with marked advantages in ultra-deep water over old-fashioned drill ships."



Above: Deploying deepwater floats for umbilical catenary

Left: Soft Sediment Feet

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