

# PROD5 PORTABLE, REMOTELY OPERATED DRILL

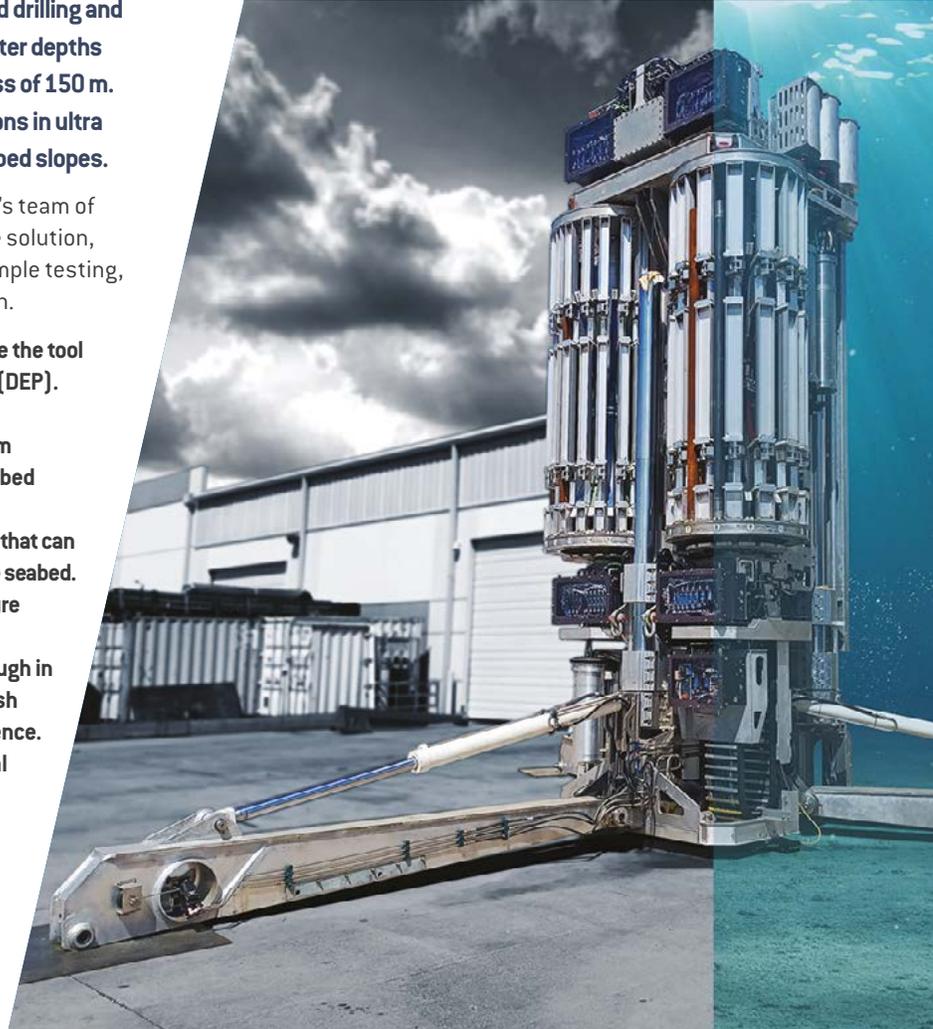
Offshore renewables | Oil & Gas

PROD is a fully self-contained, remotely operated seabed drilling and geotechnical testing system, capable of operating in water depths to 4000 m and investigating subsea bed depths in excess of 150 m. PROD has a proven global track record including operations in ultra deepwater, challenging soil conditions and extreme seabed slopes.

Using the high-quality data generated by PROD, Benthic's team of experienced geotechnical engineers provide a complete solution, from site investigation planning, data gathering and sample testing, to data integration, interpretation and foundation design.

PROD5 has radical new functionality, including nearly double the tool load of previous systems and a drill enhancement package (DEP).

- The larger tool load enables casing to approximately 100 m below seabed when sampling and about 150 m below seabed when performing cone penetration tests (CPT).
- The two larger magazines hold a range of geotechnical tools that can be withdrawn by a loading arm and pushed or drilled into the seabed.
- The DEP enables simultaneous casing and drilling to ensure the borehole is always supported.
- PROD5 with DEP is capable of a continuous CPT push through in up to 50MPa soil by drilling away the CPT shoulder in a push and then chasing with a custom-made casing style sequence.
- Casing can now be set at any depth rather than an integral of the standard casing length providing greater flexibility when encountering challenging soils whether sampling or taking CPT.
- Benefit from greater certainty over project duration and overall reduced costs while receiving the superior data quality for which the PROD technology is known.



# ACTEON

# CAPABILITIES AND TOOLING

Benthic's sampling tools and penetrometers allow a range of site investigation options. PROD systems offer data for geotechnical analysis, geohazard studies, EBS surveys, pipeline routes and sites for permanent structures or moored facilities. For shallower water projects in challenging geologies, PROD can be mobilised with a vessel based mud system, whereby sophisticated drilling muds can be pumped to PROD to enhance drilling efficiency.

- IN SITU TESTING
- HARD ROCK CORING
- SEDIMENT SAMPLING
- DRILL ENHANCEMENT PACKAGE (DEP)
- CPT ACOUSTIC DATA TRANSMISSION
- 4000 M DEPTH RATING

