

# PROD5 PORTABLE, REMOTELY OPERATED DRILL

Offshore renewables | Oil and gas

PROD is a fully self-contained, remotely operated seabed drilling and geotechnical testing system. It operates in water depths up to 4,000 m and investigates seabed depths up to 150 m. PROD has a proven global track record, including operations in ultra-deepwater, challenging soil conditions, and extreme seabed slopes.

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

PROD5 introduces new functionality, nearly doubling the tool load of previous systems.

- The larger tool load enables casing to approximately 100 m below the seabed when sampling and about 150 m below the seabed during cone penetration tests (CPT).
- Two larger magazines hold a range of geotechnical tools. A loading arm withdraws these tools and pushes or drills them into the seabed.
- PROD5 delivers a maximum thrust capacity of 10 t, enhancing performance in demanding geotechnical conditions.
- Advanced systems monitor real-time drilling parameters, enabling immediate data analysis and adjustments, optimising drilling efficiency and safety.
- Benefit from greater certainty over project duration and reduced overall costs while receiving the superior data quality for which PROD technology is known.



**PENETRATION  
DEPTH TO  
150 M**

**ENHANCED  
PERFORMANCE  
IN CHALLENGING  
CONDITIONS**

**IMPROVED SAFETY THROUGH AUTOMATION**

**HIGHER QUALITY  
DATA INSIGHTS**

**ACTEON** | GEO-SERVICES

# CAPABILITIES AND TOOLING

Benthic's sampling tools and penetrometers provide a range of site investigation options. PROD systems deliver 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 mobilise with a vessel-based mud system, pumping environmentally friendly drilling muds to PROD to enhance drilling efficiency.

- IN SITU TESTING
- HARD ROCK CORING
- SEDIMENT SAMPLING
- CPT ACOUSTIC DATA TRANSMISSION
- 4,000 M DEPTH RATING



**85+ PROD  
PROJECTS  
GLOBALLY**

