Acteon

Site characterisation track record

We turn insight into certainty.



acteon.com

We act on our customers' challenges

Acteon provides site characterisation services that help customers design smarter, reduce risk and accelerate offshore development. Using advanced geophysical and geotechnical tools, we deliver high-quality insight into the state of the seabed even in infrastructure-heavy or complex seabed zones.

Our lifecycle approach challenges assumptions and supports better foundation, cable route and installation decisions – helping customers unlock commercial value from the earliest project phases.

90+

Geotechnical projects delivered worldwide

5x

Faster than traditional drill ships with Acteon's portable remote-operated drill solution

10+ years

Track record of remote surveys in Alaska spanning 10 years

Europe and Africa

Year	Project name	Work summary
2026	Inchcape ECR	SBP QC and interpretation
2026	Kjøttkake – Gjøa shallow geotech	28 CPT & 12 piston cores
2025	Sørlige Nordsjø II Offshore Wind Farm	23 Piezocone Penetration Tests (CPTs)
2024-2025	Sørlige Nordsjø II Offshore Wind Farm	• 50 vibro cores • Grab samples • Lab testing
2024	Caledonia Offshore Wind Farm	• 15 vibro cores • Lab testing
2024	Yggdrasil – East Frigg	• Shallow geotechnical CPT • Piston coring
2024	Butendiek Offshore Wind Farm	• Cable survey • Scour seabed survey
2024	N-12.1 Site Offshore Wind Farm	Shallow geotechnical survey: • Seabed CPT • Vibro-compaction (VC) at 20 locations
2024	N-12.1 Site Offshore Wind Farm	Geophysical and unexploded ordnance (UXO) surveys: • Multibeam echosounders (MBES) • Side-scan sonar (SSS) • Dual scanfish gradiometer
2024	N-11.1	Geophysical survey
2023-2024	Bellrock and Broadshore	Portable remotely operated drill (PROD) completed: • CPT and adjacent sample holes • Sampling boreholes
2023	Baleine – Phase 2	Extensive geotechnical investigation
2023	Baltyk II and III	PROD completed: • Washboring • CPT
2023	Sinclair and Scaraben	Geotechnical survey
2023	Sinclair and Scaraben	• Geophysical survey • Environmental survey
2023	Bellrock and Broadshore	• Geophysical survey • Environmental survey
2023	N-12.2	Geophysical survey
2022	Rosebank	PROD completed: • Investigation of floating production, storage and offloading vessel (FPSO) anchors • Detailed template and satellite designs • Riser base and pipeline design • CPT • Sampling boreholes
2022	UXK	PROD completed: • CPT • Piston sampling • Rotary coring
2019	Area 4, Palma Bay	Tracked PROD deployment for marine offloading facility

Year	Project name	Work summary
2019	Golfinho Development	PROD completed (in both shallow and deep waters): • Geophysical survey • Geotechnical survey
2018	Jubilee FPSO	Soil characterisation for FPSO anchor relocation
2018	RN Mozambique/Area 1, Tungue Bay	PROD deployment for geotechnical investigation
2017	Mauritania/Senegal	• PROD geotechnical site investigation • Sampling
2015	Golfinho Development	• Geohazard survey • Geotechnical survey
2014	Golfinho Development	PROD completed: • Sampling boreholes • CPT
2014	Prosperidade Development	PROD completed: • Sampling boreholes • CPT • Becker penetration test (BPT) • Seismic probe testing
2014	Tanzania Gas Project	• 60-day geohazard study • Pipeline and foundation design

Middle East and Asia Pacific

Year	Project name	Work summary
2025	North Field, Qatar	Geophysical survey
2024-2025	Shah Deniz Development	Offshore geotechnical ground investigation with PROD
2024	Block WA-488, Joseph Bonaparte Gulf	PROD Completed: • CPT • Borehole sampling
2024	Bass Strait, Gippsland Basin	Geotechnical investigation utilising PROD system
2023	LNG, Caution Bay	Geotechnical investigation with PROD
2023	Kutubu Pipeline System floating storage and offloading (FSO)	Geotechnical investigation with PROD
2023	North Field, Qatar	Geophysical survey
2020	Dorado field	• CPT • Rotary coring • Box coring for infrastructure development
2019	Chrysaor, Dionysus, Geryon and Eurytion fields	• CPT • Rotary coring • Box coring for infrastructure development
2019	Jansz-I Compression	• Box coring • CPT • Sampling
2019	Scarborough field	• Geotechnical investigation with PROD • Box coring for steep scarp • Offshore pipeline route
2018	Azeri Central East	Comprehensive site investigation using PROD
2018	Limbayong	Deep water geotechnical investigation using PROD
2018	Absheron Peninsula	Site investigation, shallow water
2018	SWAP/Caspian Sea	• Site investigation • Well conductor installation PROD completed: • CPT • Sampling • Seismic probe testing
2018	ACE/Caspian Sea	PROD completed: • CPT • BPT • Pore pressure dissipation test (PPDT) • Sampling • Seismic probe testing
2018	Aqam, UAE	Geophysical survey
2018	Safaniya, UAE	Geophysical survey
2018	Marjan, Saudi Arabia	Geophysical survey
2018	Zuluf, Saudi Arabia	Geophysical survey

Year	Project name	Work summary
2017	Lighthouse	PROD completed: • Sampling • CPT
2016	Barossa Field, Timor Sea	PROD completed: • CPT • BPT • Sampling boreholes • Sampling box cores
2015	Greater Enfield	PROD completed: • CPT • PPDT • Sampling boreholes • Sampling box cores
2015	Browse floating liquified natural gas (FLNG) facility	PROD completed: • CPT • BPT • PPDT • Sampling boreholes • Sampling box cores
2015	Sealion, Gippsland Basin, Bass Strait	PROD completed: • CPU • Sampling boreholes
2014	Browse Basin	PROD completed: • CPT • PPDT • Sampling boreholes • Sampling box cores

Americas

Year	Project name	Work summary
2025	Google's Grace Hopper	Depth of burial fibre-optic route survey
2024-2025	Campos, Santos and SEAP Basins	PROD completed: • CPT • Piston core sampling • PPDT • Seismic probe testing • Laboratory analysis
2024	Preowei	Site characterisation work
2024	Kaskida/Tiber	Geotechnical work
2024	Block 58	PROD assessment of geotechnical parameters of: • Seabed • Shallow sub-bottom soils
2024	Google's Grace Hopper	Depth of burial fibre-optic route survey
2024	NOAA Charting	Kotzebue sound hydrographic survey
2023	Bluepoint Wind	• Geohazard assessment • Seabed mobility assessment • Archaeological and UXO clearance of wind development area • Export cable route
2023	Whiptail	PROD completed: • CPT • Sampling • Mini-t-bar • Box coring • Advanced onshore laboratory testing • Reports
2023	Bluepoint Wind	• 3 m and 6 m vibrocores • CPTs
2023	LizaN1	Ocean bottom node (OBN) survey
2023	Curie and Pacific Light	Depth of burial fibre-optic route survey
2023	Fiber to the Homer	• Desktop study • Environmental review
2023	NOAA Charting	Hydrographic survey
2023	Nome to Homer	Cable route survey
2023	Hawaii Island	PROD completed: • Investigation to support sea-level change research • CPT • Sampling
2022	CPRA Lake Amedee	• Topographic survey • Bathymetric survey • Magnetometer survey • Assessed dredging construction feasibility • Identified potential cultural resources
2022	Kuskokwim River	• Topographic survey • Bathymetric survey
2022	NOAA Charting	Hydrographic survey

Year	Project name	Work summary
2022	Uaru	• Geotechnical investigation • Geological site investigation
2021-2022	Búzios	• Geotechnical investigation • Geological site investigation
2021	NOAA Charting	Hydrographic survey
2021	Esso Guyana	Geophysical survey
2021	Lake Lery	• Topographic survey • Bathymetric survey • Magnetometer survey
2021	NOAA Charting	Hydrographic survey
2021	North Slope	Geophysical survey
2021	Kanuku	PROD completed: • CPT • Sampling
2021	Manatee	PROD completed: • CPT • Sampling
2021	Îles-De-La Madeleine	PROD completed multiple shallow locations: • CPT • Sample holes
2020	Delacroix SBP	Geophysical survey
2020	Kitty Hawk Wind – South	• Geohazard survey • Seabed mobility assessment • Archaeological and UXO clearance of wind development area
2020	NOAA Saildrone	Hydrographic survey
2020	NOAA Charting	Hydrographic survey
2020	SBP Sedimentation	Geophysical survey
2020	Hammerhead field	• Geotechnical survey • Environmental baseline survey
2020	Marlim and Voador fields	Geotechnical investigation
2020	Mero field	Geotechnical investigation using PROD: • Box corer for anchorage and subsea equipment foundations • Geohazard studies
2019	Lease 501	• Wind farm COP • Cable route • UXO survey
2019	Atlantic Shores Offshore Wind	• Geohazard assessment • Archaeological and UXO clearance • Assessment survey
2019	Coastal Virginia Offshore Wind – Commercial	• Geohazard assessment • Seabed mobility assessment • Archaeological and UXO clearance of wind development area • Export cable route
2019	Kitty Hawk Wind – North	• Geohazard assessment • Seabed mobility assessment • Archaeological and UXO clearance of wind development area • Export cable route
2019	NOAA Charting	Hydrographic survey

Year	Project name	Work summary
2019	Mayflower Wind	• Geohazard assessment • Seabed mobility assessment • Archaeological and UXO clearance of wind development area • Export cable route
2019	Starboard Wind (Formerly Bay State Wind)	Geophysical survey
2019	Vineyard Wind 501-S	Site assessment plan survey for metocean buoy campaign
2019	Vineyard Wind 501-N	• Geohazard assessment • Seabed mobility assessment • Archaeological and UXO clearance of wind development area • Export cable route
2019	Carcara field Phase 2	Geotechnical investigation using PROD
2019	Sergipe Águas Profundas Area	Geotechnical and geohazard campaign using PROD
2019	Payara field	Geotechnical and geohazard campaign using PROD
2018-2019	Carcara field and BM-C-33	• Geohazard assessment PROD completed: • CPT • BPT • Sampling • Box coring • T-bar testing
2018	NOAA Charting	Hydrographic survey
2018	Coastal Virginia Offshore Wind – Demonstrator	• Geohazard assessment • Seabed mobility assessment • Archaeological and UXO clearance of wind development area • Export cable route
2018	Bay State Wind	• Geotechnical investigation • Geophysical survey
2018	Limetree field	• PROD site investigation for catenary anchor leg mooring (CALM) buoy • Pipeline end manifold • Pipeline locations
2018	Liza field Phase 2	Geotechnical investigation using PROD
2018	USVI	PROD completed site investigation for a CALM buoy 3x3 anchor spread
2017	Fibre-optic cable	Geophysical survey
2016-2017	Libra Field	PROD executed: • Geotechnical investigation • Geological investigation
2015	Flemish Pass	PROD completed: • Composite CPT • Sampling boreholes • Sampling boreholes • PPDT
2011	Ottawa River cable route	Geophysical survey

We act across the project lifecycle

Acteon business lines Intermoor Moorings and Anchors | UTEC Geo-services | **Engineering consultancy** 2H

Solutions

Site investigation and characterisation

Geophysical and geotechnical surveys

Geospatial surveys

Why Acteon

- Comprehensive data collection
- Well-organised data orchestration
- Insightful interpretation
- Enhanced asset value

What we deliver

- Mitigating risks
- Optimising design, construction and maintenance

Offshore construction

Positioning and construction support

Installation services

Mooring solutions

Why Acteon

- Robust experience in the most challenging environments
- Advanced equipment
- Intelligent approach

What we deliver

- Ensuring safety
- Reducing total cost of installation
- Accelerating schedule

Asset integrity management

Offshore inspection

Monitoring and digital solutions

Mooring inspection, maintenance, repair and replacement

Why Acteon

- Extensive data-gathering
- Insightful analysis
- Highly efficient maintenance, repair and replacement

What we deliver

- Ensuring compliance
- Realising maximum asset lifetime value
- Reducing total cost of operations

Life extension and decommissioning

Decommissioning engineering

Removal and disposal services

Asset life extension

Why Acteon

- Tailored decommissioning and life extension plans early in the project lifecycle
- Efficient offshore execution

What we deliver

- Maximising asset value
- Limiting decommissioning costs
- Minimising environmental risks

Underpinned by agile engineering consultancy that enhances project-critical decisions, optimises economic viability and minimises risk throughout the energy project lifecycle.

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