

MR. JESSE CANNON

Marine Geophysicist: Magnetic, Seismic & Sidescan Sonar Surveys

British Citizen | +44 753 717 6071 | critical.angle.sl@pm.me

- 11 years working on site characterisation surveys (aboard vessels, in offices & remotely).
- 9 years as an offshore geophysicist in exploration seismic surveys for major oil & gas clients.



Passions:	Geophysics	Geology	Energy Sector
Strengths:	Quality Control Troubleshooting	Processing IT Expertise	Interpretation Global Mindset
History:	Offshore Acquisition HSEQ Excellence	Quality Control ISO Compliance	Oil & Gas Chief Offshore Wind
Traits:	Data-Driven	Thorough	Honest

WORK EXPERIENCE

Freelance Geophysicist (Site Characterisation)

Self Employed | Pan-European & Remote

May 2016 - Present

In addition to previous employments, have worked 8 freelance contracts aboard vessels, 2 in site offices & 8 remotely from home. Home office is professionally set up with high-spec computer, backup power, 1 Gbps symmetrical Internet & a triple-screen display. Clients have always reviewed my work positively.

- In 11 contracts I have used **SonarWiz** (side-scan sonar).
- In 9 contracts I have used **Oasis Montaj** (magnetics), 7 of which were for UXO projects.
- In 4 contracts I have used **IHS Kingdom**.
- I am also well experienced with **QGIS, ArcGIS Pro & Radex Pro**.
- Plus, I am familiar with **ArcMap, Global Mapper & Workbench**.
- I used **ProMAX** for 6 years during my time in exploration seismic airgun surveys (oil & gas).

In addition to previous employments, I have freelanced for 10 windfarms, 6 power cables, 2 gas pipelines, 1 switching station, 1 fibre optic cable & 1 carbon capture & storage project. See appendix for details.

Geophysicist (Site Characterisation)

EGS International | Bordon, UK

Jul 2014 - Dec 2015

In 2014 I started working with near-surface geophysics (sonar, magnetic & HF seismic). Expanded knowledge of seismic sources such as pingers, parametric echo sounders, boomers & sparkers. Became proficient with **IHS Kingdom, Oasis Montaj, SonarWiz & RadEx Pro** (similar to ProMAX). Gained first-hand experience of small-boat survey, desktop study & geological interpretation methods.

Achievements:

- Lead classroom-style training across departments. Taught seismic theory & software use.
- Implemented a system of ISO technical instructions (controlled procedures) from scratch.
- Created the template project for RadEx Pro, all data flows & the processing sequence.

Chief QC Geophysicist (Exploration Seismic)

OceanGeo | Offshore: Brazil, Trinidad

Jan 2013 - Jul 2014

Ocean bottom cable 3D 4C deep (oilfield) seismic surveying. Oversaw entire geophysics department on board large vessels from reviewing survey contracts all the way through to final product delivery. Worked closely with clients, aboard & ashore, to establish survey parameters & resolve data issues. Interviewed & appraised department members. Expertise in **ProMAX**.

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Achievements:

- Implemented standardised procedures across rotations, resulting in saved time & error reduction.
- Managed critical discussions with clients (e.g. coordinating naming conventions, headers, SPS & acquisition logs) resulting in efficient surveys.
- Met with the Trinidad & Tobago national oil company & their government's Department of Energy where I discussed project/contract details & gave PowerPoint presentations.

Senior QC Geophysicist (Exploration Seismic)

OceanGeo | Offshore: Kazakhstan, UK, Nigeria

Jan 2009 - Jan 2013

MagSeis | Offshore: Saudi Arabia, Norway

Jun 2018 - Aug 2019

Managed the night shift. Used **ProMAX** to analyse noise QC, polarity QC, time-shift checks & many other processing techniques to ensure the highest quality survey results. Performed 3D seismic migration & created full 3D cube stacks. Prepared displays for reporting & contributed to those reports. Analysed noise acceptability under time pressure & dictated when survey vessels must reshoot lines. Advised on board clients, party chief & coordinated closely with other departments. A leader in HSEQ.

QC Geophysicist (Exploration Seismic)

OceanGeo (RXT) | Offshore: Norway, USA, Azerbaijan

Mar 2006 - Jan 2009

QUALIFICATIONS

Warsash Maritime School, Southampton

BOSIET Sea Survival Training with CA-EBS

Expires July 2030

BOSIET Sea Survival Training with EBS

Expires July 2030

Warsash Maritime School, Southampton

Escape Chute Training

Expires July 2030

Unidad Medica Angloamericana

OEUK (OGUK) Medical

Expires June 2028

SMC Safety

**NEBOSH International General Certificate
in Occupational Safety & Health (with credit awarded)**

No Expiry

Globally recognised managerial level qualification demonstrating excellence in implementing and managing international health & safety standards. Highly valuable in the offshore environment.

Ironhack

Cybersecurity Bootcamp

Feb 2026 - Apr 2026

9-week intensive course to reassure clients that I will steward their data assets with the utmost care & diligence. I will maintain data confidentiality, security and adherence to necessary compliance standards.

Cardiff University, Wales, United Kingdom

BSc Exploration & Resource Geology (Hons)

Sept 2002 - Jun 2005

Advanced Sediments & Stratigraphy | Petroleum & Basin Analysis | Structural Techniques | Engineering Geology | Ore & Ore Genesis | Water Resources

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APPENDIX: FREELANCE HISTORY (SITE SURVEYS)

- a.) Processed magnetic data (UXO) aboard Fugro vessel for Arkona windfarm (EON) using Oasis Montaj. Also supported SSS interpreters using SonarWiz. **9 weeks: May-Jul 2016.**
- b.) Interpreted chirp data aboard MMT vessel for Cobra power cable (Prysmian Powerlink) using Kingdom. Acquired & analysed vibrocore samples. Geological Interpretation & reporting. **5 weeks: Aug-Oct 2016.**
- c.) Online QC of SSS data aboard MMT vessel for Nord Stream gas pipeline using SonarWiz. **2 weeks: Mar-Apr 2017.**
- d.) Processed magnetic data (UXO) aboard NSEA vessel for Nordlink power cable using Oasis Montaj. **1 week: May 2017.**
- e.) Processed magnetic (UXO) & SSS data aboard Fugro vessel for Cobra power cable (nearshore) using Oasis Montaj & SonarWiz. **4 weeks: Jun-Jul 2017.**
- f.) Processed magnetic (UXO) & SSS data in Fugro site office for Borssele windfarm export cables, nearshore, using Oasis Montaj & SonarWiz. **8 weeks: Aug-Nov 2017.**
- g.) Interpreted Innomar & magnetic data in the Fugro Portchester office for Neart na Gaoithe windfarm (pre-construction) using Kingdom & Oasis Montaj. **5 weeks: Aug-Sept 2019.**
- h.) Processed magnetic data (UXO) & SSS aboard 2 different GeoXYZ vessels for St Brieuc windfarm (Iberdrola) & then for MOG offshore switching station using Oasis Montaj & SonarWiz. **9 weeks: June-Sept 2020.**
- i.) Processed & interpreted sparker & innomar data aboard GeoXYZ vessel for Erebus windfarm (pre-construction) using IHS Kingdom. **5 weeks: Feb-Mar 2021.**
- j.) Processed & interpreted magnetic (UXO) & SSS data, working from home with Fugro FGBML, for BT R100 fibre optic cables using Oasis Montaj & SonarWiz. **12 weeks: May-Aug 2021.**
- k.) Processed Innomar & SSS data, working from home with Fugro FGBML, for Five Estuaries windfarm using RadEx Pro & SonarWiz. **4 weeks: Sept-Oct 2021.**
- l.) Wrote reports & interpreted SSS & MBES data, working from home with Fugro FGBML, for the PINS 2022 pipeline surveys using Workbench & QGIS. Processed magnetic data (UXO) for the East Anglia 3 Windfarm using Oasis Montaj. **13 weeks: June-Sept 2022.**
- m.) Processed SSS & MAG data, working from home with Fugro FGBML, for the ENI UK Winter Campaign, using SonarWiz & Oasis Montaj. **7 weeks: May-Jul 2023.**
- n.) Interpreted SSS & MBES data, working from home with Fugro Aberdeen, for the NDP SorligNordsjoll & Shell Marram Wind windfarms using SonarWiz, ArcGIS Pro & ArcMap. **8 weeks: Aug-Oct 2023.**
- o.) Processed & interpreted SSS data, working from home with GeoXYZ, for the EGL02 HVAC cable using SonarWiz & QGIS. **5 weeks: Jul-Aug 2024.**
- p.) Processed SSS data, working from home with GeoXYZ, for the Korsnas windfarm using SonarWiz. **9 weeks: Oct-Dec 2024.**
- q.) Interpreted seismic data, working from home with GeoXYZ, for the NEP Offshore carbon capture & storage project using Kingdom & QGIS. **4 weeks: Aug 2025.**