

**Name**

Mark James

Current Position

Director MSDS Marine Ltd

Education and Qualifications

2006 BSc (hons) Marine Archaeology, Bournemouth University

Professional Membership and Qualifications

- Scientific Diving Supervisory Committee (SDSC) accredited Diving Supervisor (2009)
- Commercially Endorsed Powerboat Skipper/Instructor
- Level 3 First Aid at Work
- Associate of the Chartered Institute for Archaeologists (ACIFA)
- STWC'95
- HSE SCUBA DIVER
- HSE SURFACE SUPPLY DIVER
- HSE OFFSHORE TOP UP DIVER

Selected Career Summary

2012 – present: MSDS Marine Ltd, Director and Senior Archaeologist

2011 – 2012: English Heritage Marine Planning Department, Maritime Archaeologist

2011: English Heritage Designation Department, Maritime Archaeologist

2009 – 2011: New Forest National Park Authority. Project Manager and Maritime Archaeologist for the Coastal Heritage Project

2008: Hampshire and Wight Trust for Maritime Archaeology, Project Officer

Key Expertise

Mark has over ten years of experience within the maritime archaeology sector both in the UK and abroad. Notable areas of expertise include geophysical and hydrographic data collection, processing and interpretation for archaeology, archaeological diving and dive management and the management of large scale archaeological projects. During his maritime archaeological career Mark has worked for the Hampshire and Wight Trust for Maritime Archaeology as a Project Officer, the New Forest National Park Authority as a Project Manager and English Heritage in both the Designation and Marine Planning departments.

Mark has always been heavily involved in the fieldwork aspect of maritime archaeology from hydrographic and geophysical survey to ROV inspections of sites to the management of archaeological diving operations.

In 2012 Mark set up MSDS Marine Ltd to provide marine archaeological support to both the public and private sectors. The support offered includes diving, geophysical and hydrographic services and project management. MSDS Marine have worked on a number of large scale projects including Round 3 Offshore Windfarms, the provision of diving contractor and geophysical services for the Scotland, Wales and Northern Ireland Component of the Heritage Assets in Relation to Marine Designation contract and high profile shipwreck investigations and excavations including the *London* and the *Rooswijk*.

MSDS Marine Ltd are a well-known and trusted coastal and marine archaeological contractor with clients including A2Sea Solutions Ltd, ADUS DeepOcean, APEM Ltd, Bibby Hydromap, Carcinus Ltd, Cotswold Archaeology, DONG Energy, The Dutch Cultural Heritage Agency (RCE), EGS International, EMU Ltd, E.ON, Historic England, Isles of Scilly IFCA, MarineSpace, Ørsted, Pascoe Archaeology Services, PMSS/Navitus Bay, Sea Change Ltd, Southampton University, Swathe Services, Trendarch and Wessex Archaeology.

Sector Specific Experience**Geophysical and Hydrographic Survey**

Mark has managed, undertaken and acted as client representative on a large number of geophysical and hydrographic surveys, both in support of archaeological and specialist projects. A small sample of sites includes the designated wrecks of the Goodwin Sands, the *Rooswijk*, the *London*, the *Stirling Castle*, *Holland No.5* and *A1* submarines, the *Rena*, Normans Bay and Bouldnor Cliff. Sensors have included Multibeam Echo Sounder, Sidescan Sonar, Magnetometer and Sub-Bottom Profilers from a range of manufacturers.

Geophysical and Hydrographic Data Processing and Interpretation

Mark is experienced with different data sets and formats, software and outputs. The work undertaken within this area has varied greatly from the presentation of ultra-high resolution Multibeam Echo Sounder data for public display and engagement through to the inspection and interpretation of multiple sensor datasets to identify material of archaeological potential in advance of large scale development works.

Furthermore, Mark has processed and assessed data for general engineering works, volumetric studies, shipwreck and landscape interpretation and display within virtual environments.

ROV Inspection and Monitoring

During the course of his career Mark has undertaken archaeological inspection works with ROV's. This has included as the operator, including during a channel widening scheme alongside the historically significant wreck of the *Kennemerland* off the coast of Shetland, as the archaeological client representative during ground truthing works on Beatrice Offshore Windfarm and as the desk based archaeologist reviewing data prior to construction works on Walney Extension Offshore Wind Farm.

Diving Services

MSDS Marine Ltd are a diving contractor registered with the HSE providing diving services to the scientific and archaeological sectors. Mark has been working in the diving industry for 17 years and is highly experienced at running diving operations, including large scale excavations, on archaeologically significant sites, recently, and of note, this has included the *Rooswijk* on behalf of the Dutch Governments Cultural Heritage Agency (RCE) and the *London* on behalf of Cotswold Archaeology/Historic England.

Mark is an experienced archaeological diver and diving supervisor qualified both commercially (HSE Offshore Top Up) and recreationally.

Offshore Windfarms

Mark has undertaken a significant amount of archaeological work in support of Offshore Windfarms (OSWF) including Beatrice, Rampion, Navitus Bay, Walney Extension, Hornsea, Hornsea Two, Hornsea Three, Hornsea Four and Borkum Riffgrund Two. Works have included;

- preparation of method statements for archaeological work packages including; geophysical interpretation, geo-archaeological investigation, ROV assessment, Pre-Lay Grapple Runs (PLGR) and beach reinstatement
- Written Schemes of Investigation (WSI)
- archaeological review and interpretation of geophysical and hydrographic data
- ground truthing of geophysical anomalies
- archaeological review of ROV data
- exclusion zone implementation and review
- licence condition review and compliance works

Non archaeological works include the geophysical assessment of cable free-span and jack-up locations on sites including Greater Gabbard.

Aggregate Extraction Licence Areas

Marks archaeological experience in the marine aggregate extraction industry is extensive and wide ranging, from time spent as the regulator at English

Heritage (now Historic England) providing advice to developers and the Marine Management Organisation, to the archaeological assessment and interpretation of geophysical and hydrographic data in support of licence applications and the discharge of licence conditions.

Select Archaeological Fieldwork

2014 – Multibeam bathymetry survey of six wreck sites in North Wales

2014 – Archaeological excavation of the *London* wreck in the Thames Estuary

2014 – Diving investigation of three wreck sites in the Out Skerries, five wreck sites in North Wales, *Invincible* on Horsetail Sands and four wreck sites in the Sound of Mull, Scotland

2015 – Multibeam bathymetry survey of the *Baltic Ace* in the North Sea off Holland

2015 – Multibeam bathymetry survey of the *Rena* on Astrolabe Reef in New Zealand

2015 – Archaeological excavation of the *London* wreck in the Thames Estuary and *Invincible* on Horsetail Sands

2015 – ROV ground truthing of archaeological anomalies on Beatrice Windfarm in Scotland

2015 – Multibeam bathymetry survey of the *Stirling Castle* on the Goodwin Sands in Kent and seven wrecks including Normans Bay and *Holland No.5* out of Eastbourne

2015 – Sidescan sonar survey of wrecks in the Sound of Mull in Scotland

2016 – Multibeam bathymetry, sidescan sonar, sub-bottom profiler and magnetometer survey of the Brighton Marina wreck site in Brighton and the *Rooswijk* wreck site on the Goodwin Sands in Kent

2016 – Multibeam bathymetry, sidescan sonar and sub-bottom profiler survey of the *London* wreck in the Thames Estuary

2016 – Multibeam bathymetry, sidescan sonar, sub-bottom profiler and magnetometer survey of the *Rooswijk* wreck site on the Goodwin Sands in Kent

2016 – Diving investigations of, *Invincible* on Horsetail Sands, Thorness Bay in the Solent, the *London* in the Thames Estuary, Langdon Bay in Dover and the *Rooswijk* on the Goodwin Sands

2017 - Multibeam bathymetry survey of the designated wrecks of the Goodwin Sands in Kent

2017 - Multibeam bathymetry survey of the designated wrecks around the Isles of Scilly

2017 - Archaeological excavation of the *Rooswijk* designated wreck

2017 - Ecological diving investigations in Chichester Harbour

2018 - Multibeam bathymetry survey of the designated wrecks of the Goodwin Sands in Kent

2018 - Multibeam bathymetry survey of the Seehund midget submarine and a Junkers aeroplane

2018 - Archaeological excavation of the *Rooswijk* designated wreck

2018 - Ecological diving investigations in Chichester Harbour

2018 - Underwater laser scanner trials in Vobster Quay, Somerset

2018 - Intertidal shipwreck survey in Sandwich Bay, Kent

2018 - Diving investigation of the *Northumberland* wreck on the Goodwin Sands, Kent

Select Publications

James, M. (2014). An underwater World of Measurements, Positions, and Spatial Relationships. *xyHt*, Flatdog Media.

James, M. (2014). *Maritime Archaeology: Repositioning a Dutch East Indiaman*. *xyHt*, Flatdog Media.

James, M. (2009/10). The New Forest Maritime Archaeology Project. *Wessex News: Autumn 2009*. CBA Wessex Group.

Select Reports

James, M. (2018). *Rampion Offshore Windfarm, Sector 8, Archaeological Review of Geophysical Data*. MSDS Marine, Unpublished report for E.On Ltd.

James, M. (2018). *Archaeological Interpretation of Geophysical Data – Aggregate Extraction Areas 392 and 393*. MSDS Marine, Unpublished report for MarineSpace Ltd.

Middleton, A. and James, M. (2018). *The Rooswijk, Conservation Action Plan, Rooswijk Protected Wreck Site, Goodwin Sands, Archaeological Excavation and Preservation*. MSDS Marine, Unpublished Management Plan for the RCE and HE.

James, M. (2018). *Archaeological Interpretation of Geophysical Data – Aggregate Extraction Areas 472 & 526*. MSDS Marine, Unpublished report for MarineSpace Ltd.

James, M. (2018). *Archaeological Interpretation of Geophysical Data – Aggregate Extraction Area 530*. MSDS Marine, Unpublished report for MarineSpace Ltd.

James, M. (2018). *Archaeological Interpretation of Geophysical Data – Aggregate Extraction Area 500*. MSDS Marine, Unpublished report for MarineSpace Ltd.

Evans, S. and James, M. (2017). *BT Isle of Wight Cable Project, Written Scheme of Investigations and Protocol for Archaeological Discoveries*. MSDS Marine, Unpublished report for A-2-Sea Solutions Ltd.

Evans, S. and James, M. (2017). *The Rooswijk, Project Design, Rooswijk Protected Wreck Site, Goodwin Sands, Archaeological Excavation and Preservation*. MSDS Marine, Unpublished Project Design for the RCE and HE.

James, M. (2017). *Borkum Riffgrund Two Offshore Windfarm, Archaeological Exclusion Zone review*. MSDS Marine, Unpublished report for Dong Energy.

James, M. (2017). *Archaeological Interpretation of Sidescan Sonar and Multibeam Bathymetry Data – South Coast Dredging Association Aggregate Extraction Areas*. MSDS Marine, Unpublished report for MarineSpace Ltd.

James, M. (2017). *Hornsea Project Three Offshore Windfarm, Archaeological review of Geophysical and Hydrographic Data*. MSDS Marine, Unpublished report for Orsted.

James, M. (2017). *Hornsea Project Two Offshore Windfarm, Archaeological review of Geophysical and Hydrographic Data*. MSDS Marine, Unpublished report for Dong Energy.

James, M. (2017). *Archaeological Interpretation of Geophysical Data – Aggregate Extraction Area 506*. MSDS Marine, Unpublished report for MarineSpace Ltd.

- James, M.** (2017). *Archaeological Interpretation of Geophysical Data – Aggregate Extraction Area 254*. MSDS Marine, Unpublished report for MarineSpace Ltd.
- James, M.** (2017). *Archaeological Interpretation of Geophysical Data – Aggregate Extraction Area 514*. MSDS Marine, Unpublished report for MarineSpace Ltd.
- James, M.** (2017). *The London Wreck - Multibeam Bathymetry, Sidescan Sonar and Sub-Bottom Profiler Survey of the London Wreck*. MSDS Marine, Unpublished report for Cotswold Archaeology.
- James, M.** (2016). *Hanover Cover – Geophysical and Hydrographic Survey*. MSDS Marine, Unpublished report for Cotswold Archaeology.
- James, M.** (2016). *Walney Extension Offshore Windfarm. The archaeological review of ROV Data collected for the investigation of potential UXO*. MSDS Marine, Unpublished Report for DONG Energy.
- James, M.** (2016). *Holland No.5 Designated Wreck Site – Multibeam Bathymetry Survey*. MSDS Marine, Unpublished report for the Nautical Archaeology Society.
- James, M.** (2016). *Archaeological Interpretation of Geophysical Data – Aggregate Extraction Area 511-512-513*. MSDS Marine, Unpublished report for MarineSpace Ltd.
- James, M.** (2016). *Walney Extension Offshore Windfarm. Method Statement: The archaeological review of ROV Data collected for the investigation of potential UXO*. MSDS Marine, Unpublished Method Statement for DONG Energy.
- James, M.** (2016). *Norman’s Bay Designated Wreck Site – Multibeam Bathymetry Survey*. MSDS Marine, Unpublished report for the Nautical Archaeology Society.
- James, M.** (2016). *Walney Extension Offshore Windfarm. Archaeological Interpretation of Geophysical and Hydrographic Data*. MSDS Marine, Unpublished Report for DONG Energy.
- James, M.** (2016). *Brighton Marina Protected Wreck – Geophysical and Hydrographic Survey*. MSDS Marine, Unpublished report for Cotswold Archaeology.
- James, M.** (2016). *Archaeological Interpretation of Geophysical Data – Aggregate Extraction Area 296-494*. MSDS Marine, Unpublished report for MarineSpace Ltd.
- James, M.** (2016). *Walney Extension Offshore Windfarm. Methodology for the Archaeological Review of and Interpretation of Geophysical and Hydrographic Data*. MSDS Marine, Unpublished Method Statement for DONG Energy.
- James, M.** (2016). *Archaeological Interpretation of Geophysical Data – Aggregate Extraction Area 480*. MSDS Marine, Unpublished report for MarineSpace Ltd.
- James, M.** (2016). *Archaeological Interpretation of Geophysical Data – Aggregate Extraction Area 392-393*. MSDS Marine, Unpublished report for MarineSpace Ltd.
- James, M.** (2016). *Rampion Geophysical Survey 2015 – Archaeological Interpretation of Geophysical Data*. MSDS Marine, Multiple reports, unpublished reports for EGS International Ltd.
- James, M.** (2016). *Archaeological Interpretation of Sidescan Sonar Data – Aggregate Extraction Area 503*. MSDS Marine, Unpublished report for MarineSpace Ltd.
- James, M.** (2015). *Archaeological Interpretation of Sidescan Sonar Data – Aggregate Extraction Area 461*. MSDS Marine, Unpublished report for MarineSpace Ltd.
- James, M.** (2015). *Rampion Geophysical Survey 2015 – Archaeological Interpretation of Geophysical Data Sector 6*. MSDS Marine, Unpublished report for EGS International Ltd.
- James, M.** (2015). *Rampion Geophysical Survey 2015 – Archaeological Interpretation of Geophysical Data Sector 6 Offshore*. MSDS Marine, Unpublished report for EGS International Ltd.
- James, M.** (2015). *Archaeological Interpretation of Geophysical Data – Aggregate Extraction Area 212*. MSDS Marine, Unpublished report for MarineSpace Ltd.
- James, M.** (2015). *Archaeological Interpretation of Sidescan Sonar Data – Aggregate Extraction Area 197/493*. MSDS Marine, Unpublished report for MarineSpace Ltd.

- James, M.** (2015). *Rampion Geophysical Survey 2015 – Archaeological Interpretation of Geophysical Data Sector 4 and 5*. MSDS Marine, Unpublished report for EGS International Ltd.
- James, M.** (2015). *Archaeological Interpretation of Sidescan Sonar Data – Aggregate Extraction Area 435/396*. MSDS Marine, Unpublished report for MarineSpace Ltd.
- James, M.** (2015). *Rampion Geophysical Survey 2015 – Archaeological Interpretation of Geophysical Data Sector 2*. MSDS Marine, Unpublished report for EGS International Ltd.
- James, M.** (2015). *Archaeological Interpretation of Sidescan Sonar Data – Aggregate Extraction Area 460*. MSDS Marine, Unpublished report for MarineSpace Ltd.
- James, M.** (2015). *Archaeological Interpretation of Sidescan Sonar Data – Aggregate Extraction Area 106/400*. MSDS Marine, Unpublished report for MarineSpace Ltd.
- James, M.** (2015). *Beatrice Offshore Windfarm and Export Cable Route: Archaeological Ground Truthing of Geophysical Anomalies*. MSDS Marine, Unpublished report for APEM Ltd.
- James, M.** (2015). *Archaeological Interpretation of Sidescan Sonar Data – Aggregate Extraction Area 514*. MSDS Marine, Unpublished report for MarineSpace Ltd.
- James, M.** (2015). *Rampion Geophysical Survey 2015 – Archaeological Interpretation of Geophysical Data Sector 1*. MSDS Marine, Unpublished report for EGS International Ltd.
- James, M.** (2015). *Archaeological Interpretation of Backscatter Data – Aggregate Extraction Area 476*. MSDS Marine, Unpublished report for MarineSpace Ltd.
- James, M.** (2014). *Archaeological Interpretation of Geophysical Data – Aggregate Extraction Area 212*. MSDS Marine, Unpublished report for MarineSpace Ltd.
- James, M.** (2014). *Archaeological Interpretation of Geophysical Data – Aggregate Extraction Area 240*. MSDS Marine, Unpublished report for MarineSpace Ltd.
- James, M.** (2014). *Archaeological Interpretation of Geophysical Data – Aggregate Extraction Area 242/361*. MSDS Marine, Unpublished report for MarineSpace Ltd.
- James, M.** (2014). *Archaeological Interpretation of Geophysical Data – Aggregate Extraction Area 328*. MSDS Marine, Unpublished report for MarineSpace Ltd.
- James, M.** (2014). *Archaeological Interpretation of Sidescan Sonar and Multibeam Echo Sounder Data – Aggregate Extraction Areas 511/512/512*. MSDS Marine, Unpublished report for MarineSpace Ltd.
- James, M.** (2014). *Archaeological Interpretation of Sidescan Sonar and Multibeam Echo Sounder Data – Aggregate Extraction Area 515*. MSDS Marine, Unpublished report for MarineSpace Ltd.
- James, M.** (2014). *Archaeological Interpretation of Sidescan Sonar and Multibeam Echo Sounder Data – Aggregate Extraction Area 372/1*. MSDS Marine, Unpublished report for Sea Change Ltd.
- James, M.** (2013). *Navitus Bay Archaeological Interpretation of Geophysical Data – Lot 1*. MSDS Marine, Unpublished report for Project Management Support Services.
- James, M.** (2013). *Navitus Bay Archaeological Interpretation of Geophysical Data – Lot 2, Additional Contacts*. MSDS Marine, Unpublished report for Project Management Support Services.
- James, M.** (2013). *Archaeological Interpretation of Geophysical Data – Aggregate Extraction Area 401/2*. MSDS Marine, Unpublished report for Sea Change Ltd.
- James, M.** (2013). *Quality Assessment of Geophysical Data – Aggregate Extraction Area 401/2*. MSDS Marine, Unpublished report for Sea Change Ltd.
- James, M.** (2013). *Watching Brief – Kennemerland, Out Skerries*. MSDS Marine, Unpublished report for Trendarch.
- James, M.** (2012). *Navitus Bay Archaeological Interpretation of Geophysical Data – Lot 2*. MSDS Marine, Unpublished report for Project Management Support Services.
- James, M.** (2012). *Archaeological Interpretation of Geophysical Data – Aggregate Extraction Area 480*. MSDS Marine, Unpublished report for Sea Change Ltd.

James, M. (2009). *New Forest National Park Authority Diving Operations Plan*. Internal Document for New Forest National Park Authority, Hampshire.

James, M. (2009). *Project Design for Phase 2 and 3 of the NFNPA Rapid Coastal Zone Assessment*. Tender Document for New Forest National Park Authority, Hampshire.

Hession, B. and **James, M.** (2008). *Hanson Aggregates Marine Ltd and CEMEX Areas 473 East, 474 Central and 475 Archaeological Monitoring Assessment 2007*. Maritime Archaeology Ltd, Southampton.

James, M. and Mason, B. (2008). *Port of Dover Hoverport Terminal Redevelopment Archaeological Assessment*. Maritime Archaeology Ltd, Southampton.

Hession, B., Goodwyn, N. and **James, M.** (2008). *Dover Marine Geophysical Survey Report*. Maritime Archaeology Ltd, Southampton.

Goodwyn, N. and **James, M.** (2008). *Whitehill Gas Storage Offshore Geophysical Assessment*. Maritime Archaeology Ltd, Southampton.

Hession, B., Goodwyn, N., **James, M.** and Mason, B. (2008). *Bristol Deep Sea Container Terminal: Desk Based Assessment Report*. Maritime Archaeology Ltd, Southampton.