

**Name**

Mateusz Polakowski

Current PositionSenior Project Officer
MSDS Marine Ltd**Education and Qualifications**

2016 MA Maritime Archaeology, East Carolina University

2012 BA Archaeology, CUNY Hunter College

2017 (ongoing) Part-time study for a PhD in Maritime Archaeology at University of Southampton

Professional Membership and Qualifications

- AAUS Scientific Diver (2014)
- PADI Divemaster (2015)
- Boat Operator 6-30ft MOCC (2015)

Selected Career Summary

2020 – present: MSDS Marine Ltd, Senior Project Officer

2016 – 2020: RPM Nautical Foundation, Maritime Archaeologist

2016 – 2017: RPM Nautical Foundation. Marine Geospatial Technician

2016: UNC Coastal Studies Institute, Student Services Specialist

Key Expertise

Mat has over six years of experience within the maritime archaeology sector both in the UK and abroad. Notable areas of expertise include scientific operations onboard research vessels, data processing and interpretation for archaeology, archaeological diving, team management, and client representation. Mat has been involved with and helped develop projects in the UK, EU, and US specializing in collecting and analysing geophysical datasets.

Mat has undertaken archaeological inspection works with ROV's, AUV's, and diving. He helped manage shipboard data systems and helped develop procedures for data logging and quality control.

Mat's research focuses on the mechanics and design of ancient ships and carrying out target analysis for shipwrecks. He has developed projects that have scanned, reconstructed, and analysed ships. Current works also involve developing machine learning capabilities for detecting shipwrecks in remote sensing data.

Sector Specific Experience**Senior Project Officer, MSDS Marine Ltd.**

Mat joined MSDS in 2020 as a senior project officer and is responsible for undertaking collection and processing of geophysical data and helps manage and facilitate archaeological projects.

Maritime Archaeologist, RPM Nautical Foundation

Mat became a regularly retained maritime archaeologist with RPM Nautical in 2016. He started as a geospatial technician managing shipboard databases and quality control. Later he became a point of contact for scientific missions, engineering, equipment deployment, and national agencies. His responsibilities included management of geospatial datasets, ROV and AUV survey assessments, and remote sensing survey planning/deployment. He worked with archaeological data to facilitate project reports and contributed to project planning. His regular responsibilities included ROV ops, daily logs, technical reports, and collaboration with project partners.

During his time with RPM, Mat was involved with various projects in the Mediterranean. His focus was the investigation and mapping of the only archaeological confirmed ancient naval battle site found at the Egadi Islands, Sicily. He performed various tasks including shipboard navigation, hydrographic survey, underwater photogrammetry, and diving support. He was involved with scientific expeditions in Albania and Montenegro, mapping coastlines and advising on cultural and environmental conservation. He assisted in leading surveys searching for ancient shipwrecks in Greece and Albania. He acted as project lead and archaeologist for the Defence POW/MIA Accounting Agency for an investigation of a downed B-17 aircraft in Poland.

Other Experience

Mat helped develop projects for the Honor Frost Foundation by successful application for grant funding, and leading conservation efforts of the Marsala Punic Ship in Sicily. He aided in conservation of this historic ship, through 3D laser scanning, reconstruction, and analysis.

Working with the UNC Coastal Studies staff, Mat helped facilitate educational programs for K-12 students. These courses helped develop understanding of oceanographic sciences and environmental resources.

Select Archaeological Fieldwork

2014 – Archaeological excavation of the *Tranter's Creek* wreck site in the Tar River, North Carolina

2014 – Diver survey and along the southern Albanian coast with the Illyrian Coastal Survey Program

2014 – Coastline survey of the Battle of Mackinac Islands, Michigan

2015 – Conservation assistant of the Queen Ann's Revenge shipwreck, North Carolina

2015 – Diver investigation of the *Rose Hill* wreck site, North Carolina

2015 – ROV survey of the Battle of the Egadi Islands Archaeological Site, Sicily

2015 – Coastal survey of derelict barges Trapani, Sicily

2016 – Diving investigation of the Fourni Archipelago, Greece

2016 – Ecological diver survey of the southern Albanian coast

2017 – Multibeam bathymetry survey of the Fourni Archipelago, Greece

2017 – Diving investigation of the Fourni archipelago, Greece

2017 – Sidescan sonar survey of the Battle of the Egadi Islands Archaeological Site, Sicily

2017 – ROV ground truthing of archaeological anomalies, Battle of the Egadi Islands Archaeological Site, Sicily

2018 – ROV sampling of geological deep-water sites, Malta

2018 – ROV environmental impact assessment of Vlore and Sazan Island, Albania

2018 – Diving investigation of the Fourni Archipelago, Greece

2019 – AUV mounted sidescan sonar survey of Battle of the Egadi Islands Archaeological Site, Sicily

2019 – ROV ground truthing of AUV SSS targets at the Battle of the Egadi Islands Archaeological Site, Sicily

2019 – Diving investigations of the *Xlendi Phoenician* shipwreck Gozo, Malta

Select Publications

Polakowski, M. (2020). *Experimental Archaeology and the Contributory Reconstruction of a Roman Warship*. In "Ships, Boats, Ports, Trade, and War in the Mediterranean and Beyond". BAR Publishing.

Polakowski, M. (2017). *Map of Native American Reservations and Reservoir Projects in the United States* (Image). "Those are our Eiffel Towers, our pyramids!": Why Standing Rock is about much more than oil". The Guardian. May 15, 2017.

Polakowski, M. (2015). *Current research and the partial reconstruction of the Egadi 10 warship that sank at the Battle of the Egadi Islands (241 B.C.)*. SAS Bulletin: Newsletter of the Society for Archaeological Sciences. 38(4).

Select Reports

Polakowski, M. and Geneva Wright (2020). *Detailed Report of Investigation, 20-7PL IT(P)*. Unpublished report for the Defence POW/MIA Accounting Agency (DPAA).

Polakowski, M. and Pat Tanner (2020). *3D Documentation of the Marsala Punic Ship: Digital Conservation and Archiving*. Unpublished report for the Honor Frost Foundation.

Polakowski, M. et al. (2019). *2019 Egadi Islands Survey Report*. Unpublished report for the Soprintendenza del Mare – Sicilia.

Polakowski, M. (2018). *2018 Egadi Islands Survey Report*. Unpublished report for the Soprintendenza del Mare – Sicilia.

Polakowski, M. et al. (2018). *Albania Archaeological Survey Report*. Unpublished report for the National Coast Guard Agency, Albania.

Polakowski, M. et al. (2017). *Albania Biological Survey Report*. Unpublished report for the Ministry of Coastal Affairs, Albania.

Polakowski, M. et al. (2017). *2017 Egadi Islands Survey Report*. Unpublished report for the Soprintendenza del Mare – Sicilia.

Polakowski, M. et al. (2014). *Fowey Rocks Lighthouse: On-Site Conservation Survey Report*. Unpublished report for the NOAA Florida Keys National Marine Sanctuary.