

Personal Statement

Mark spent 20 years as an engineer in the automotive manufacturing industry before transferring to the offshore geotechnical world and has spent the last 10 years developing and integrating skill sets from both industry areas on projects worldwide. The development and use of specialist subsea site investigation tooling from concept to end client data presentation is his passion.

Mark is self-reliant but also enjoys working with teams of people on challenging projects and has good fault finding/problem solving, design, QHSE and negotiating skills. He has enjoyed working all over the world.

Professional Experience

April 2017 - Present: USNEA Services Ltd & Bluefield Technology, Operations Director

Offshore geotechnical engineering and client representative work on UK, US and Japanese offshore windfarms in a wide variety of soils including glacial materials, the Chalk and estuarine sediments.

The use and operation of a variety of geotechnical equipment from vessels and barges in nearshore and offshore environment.

CPT and subsea drilling rig operations including windfarm site investigation and mineral exploration activities offshore Japan.

Several consultancy projects using SolidWorks for design and simulation of drill tooling have been completed for major UK based drill tooling manufacturer as well as the design of niche ROV based subsea tooling.

Oct 2011 -Apr 2017: UTEC Geomarine - Senior Geotechnical Engineer

Joined Geomarine as an MSc graduate with a wealth of previous industry experience. The focus of the role at Geomarine was in the management, development and support of equipment applications, including offshore operations and in geotechnical consultancy at senior engineer level.

Involvement in set up, operation, processing, interpretation and presentation of CPT data acquired using the Geomarine geoROV™ and APvdB ROSON systems, the SMD Q1000 trenching trials, as well as sampling and CPT work for decommissioning of assets in the North Sea; some of which included piston, liner, Shelby and MOSTAP sampling.

May 2004 – Aug 2010: Zodiac Automotive UK- Manufacturing Engineer

Promoted to Manufacturing Engineer, focus on continuous improvement and product quality from 2004. Zodiac designs and manufactures systems and devices that save human lives. Its core markets are land vehicle safety, military aviation safety and military personnel safety. The UK site manufactured side impact airbags for BMW, Rolls Royce, Land Rover, Mini, GM, Fiat, Rover and the US military.

Mar 1996 – May 2004 : Automotive industry, various companies incl. Maclaren – Multi Skilled Maintenance Technician

Production and ancillary equipment maintenance. Manufacture of tooling, fixtures and fittings using lathe, milling equipment and fabrication using both MIG and MMA welding. Training of personnel and improvement activities, fault finding and PLC control.

Expertise

- Wide variety of *in-situ* (CPT) geotechnical systems (incl. downhole, seabed and ROV deployed) and sampling systems (incl. vibrocore, gravity & piston coring and jumbo piston corer)
- Geotechnical drilling (incl. heave compensated and robotic seabed drilling)
- Geotechnical interpretation

Qualifications & Certifications

- MSc Engineering Geology | 2010-2011 | Newcastle University
- BSc (Hons) Geosciences (open) | 1998-2009 | Open University
- HND Mechanical and Production Engineering | 1991-1993 | Newcastle Polytechnic
- Scotvec ONC Machine Engineering | 1987-1991 | Barmulloch College, Glasgow
- City&Guilds (craft and Adv. Craft) | 1987-1991 | Barmulloch College, Glasgow

Other Information

- British, UK Passport Holder,
- Full clean UK driving license
- Pan European GSK and BOSIET including CAT A EBS and Bi-Deltoid measurement from Falck Nutec
- UKOOPA Medical
- Qualified first aider
- Fire warden
- Passion for sea kayaking