

# Dave Arnold

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Dave@hesltd.eu

**Date of Birth** : 20.07.1971  
**Place of Birth** : Widnes, Cheshire  
**Nationality** : English  
**Marital Status** : Married

**Passport Number** : 507627075  
**Date of Issue** : 5<sup>th</sup> March 2024  
**Validity** : 10 years  
**Place of Issue** : United Kingdom Passport Agency

**Seaman's Discharge Book** : DB00102635  
**Seaman's Card** : SC00022433  
**Date of Issue** : 15th July 05  
**Validity** : 10 years

**Place of Issue** : Liverpool Maritime Office  
**Offshore Survival Cert No** : 01358580410121106572  
**Skyscape Cert No** : 01358580410121109572  
**Validity** : 3<sup>rd</sup> November 2016

## EDUCATION

**Fairfield High School • 1982-1987**

### O-Levels:-

English, Maths, Chemistry, Physics, Computing, Geography, History.

**NTS Norwich • 1992-1994**

NVQ level 2 + 3 : Motor Mechanics

**Great Yarmouth College • 2005-2007**

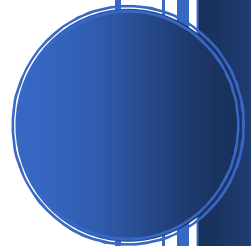
City & Guilds Level 1, 2 + 3 : AutoCAD

## EMPLOYMENT HISTORY

2009 – Present : Hemsby Engineering Services Ltd  
Position : Director / Survey Systems Engineer  
1999 – 2008 : Sonar Equipment Services Ltd  
Position : Survey Systems Engineer  
1994 – 1999 : Regal Engineering  
Position : Engine Reconditioning  
1987 – 1994 : Highland Engineering Ltd  
Position : Food Process Systems Engineer

## TRAINING COURSES

CODA Ltd : DA Series Operation/Installation  
GeoAcoustics : GeoSwath Operation/Service  
TSS Ltd Aberdeen : TSS440 Operation/Service  
TSS Ltd Aberdeen : TSS350 Operation/Service



## **EXPERIENCE**

Over the previous 17 years whilst working at SES and Freelance I have been responsible for all types of analogue surveys using all brands of the industry standard equipment. I was also responsible for the design, build and operation of all SES in-house products. I have been working for all the major and most of the minor survey companies involved in offshore, inshore and nearshore survey work. I have been responsible for mobilization, online acquisition, demobilization and Training

Some of the survey types include:-

1. Site Survey
2. Tow Route Survey
3. Cable Route Survey
4. UXO Survey
5. Pipe Inspection Survey
6. Cable/Pipe Repair Survey
7. Aggregate Prospecting
8. Harbor Inspection

I have full knowledge of all the leading industry equipment and I am able to mobilise, interface and fault diagnose/repair.

## **OFFSHORE EXPERIENCE**

I have worked on numerous projects over the last 17 years. Where I have been responsible for mobilization and interfacing of survey equipment, Tow fish, ROV and AUV mounted. Below is a list of some of the companies I have worked with and my responsibilities:-

### **DEEP OCEAN**

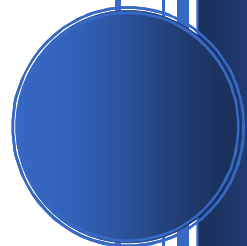
ROV based SS/SBP site surveys in Norway. Responsible for online data acquisition, printing and online training.

Tow fish based SS/SBP and Magnetometer site surveys in Norway. Responsible for online data acquisition, printing and online training.

### **ANDREWS SURVEY**

Tow fish based surveys in Baku for pipe laying construction and tow route. Responsible for mobilising and interfacing all survey equipment as well as online data acquisition.

Inshore Tow fish based SS/SBP and Magnetometer surveys in the UK. Wind Farm, Pipe Inspection, UXO and aggregate prospecting. Responsible for mobilising, interfacing, and online acquisition.



### **GARDLINE GEO SURVEY**

Tow fish based SS/SBP and Magnetometer site surveys in Norway responsible for online data acquisition printing and online training.

Inshore Tow fish based SS/SBP and Magnetometer surveys in the UK. Wind Farm, Pipe Inspection, UXO, aggregate prospecting. Responsible for mobilising, interfacing and online acquisition.

### **GLOBAL MARINE**

SSS Tow fish based cable damage location surveys. Responsible for mobilisation, acquisition, processing and final reports.

### **SONAMET SURVEY**

Tow fish based SS/SBP and Magnetometer site surveys in Angola. Responsible for online data acquisition.

### **MSS LIMITED**

Tow fish based SS/SBP and Magnetometer cable route surveys in Iceland/Sicily. Responsible for mobilising, interfacing online data acquisition, printing and online training.

### **GEMS SURVEY**

Tow fish based SS/SBP and cable route survey in Gibraltar. Responsible for mobilising, interfacing online data acquisition and printing.

### **GEOLAB**

ROV based SS/SBP pipe route survey in Ibiza. Responsible for mobilising and online data acquisition and printing.

### **UTEC SURVEY**

Tow fish based SS/SBP and Magnetometer cable route survey in Malta. Responsible for mobilising three vessels, interfacing, and training. Also provided support for breakdowns.

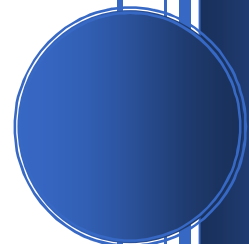
## **SURVEY EQUIPMENT EXPERIENCE (OPERATION & SERVICE)**

### **SIDE SCAN/PROFILING SYSTEMS**

GeoAcoustics 160D Side Scan System, ORE 140, 310 Sub-Bottom Profilers, GeoAcoustics 5210, 5430, 5420S, Sub-Bottom Profilers/Boomer Systems, GeoAcoustics Geochirp SBP System, Applied Acoustics CSP Power supplies, Applied Acoustic Boomer Systems, Edgetech 4200 Side Scan System, Edgetech Full Spectrum SSS/ SBP Systems, C-Max Side Scan System, SES SeaProbe Combined SSS/SBP Systems, GeoAcoustics GeoSwath System .

### **MBES/SBES**

Reson/Simrad Systems, Atlas Deso 15, Odom 3200, Odom Hydrotrac, Odom EchoTrac.



## **MAGNETOMETERS**

Geometrics 880, 881, 882 Caesium Magnetometers, TSS 440 Pipe Tracker System, TSS 350 Cable Tracker, Reson 8101, 8125 Systems, Marine Magnetics SeaSpy Magnetometer System, Ixsea Maggis Magnetometer Systems.

## **SENSORS**

Odom DigiBar, Valeport CTDS Sensors, Valeport Sound Velocity Profilers, Valeport Tide Gauges, Valeport Current Meter, Paroscientific DigiQuartz System, Nexus Fibre Optic Mux, Seatex MRU5 Motion Sensors.

## **WINCHES**

3 Phase Electrical Winches, Slip Ring Assemblies, Multi-conductor and Coaxial Armoured Tow Cable Terminations.

## **POSITIONING SYSTEMS**

Trimble GPS Receivers, CNav GPS Receivers, Fugro Starfix GPS, Short & Long Range Radio Based DGPS System, Veripos Receivers.

## **UNDERWATER ACOUSTICS**

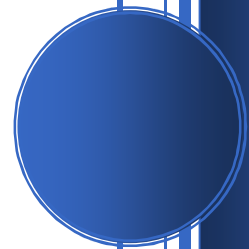
Kongsberg USBL Systems, Sonardyne USBL Systems, AAE USBL Systems.

## **SURFACE SYSTEMS**

Coda DA100, DA200, DA2000 Data Acquisition and Processing Systems, Edgetech Discover SSS/ SBP Acquisition Software, SES Monitor SSS/SBP Acquisition Software, CODA Octopus 360, 460, 760 Processors, CMax MaxView SSS Data Acquisition System, TSS Meridian Gyrocompass, Ixsea Octans Gyros, CODA Octopus F180 Positioning System, PC Graphics Recorders, Ultra Graphics Recorders, Alden thermal Recorder, Isis thermal Recorder, Various Character Generators/Annotators.

## **NAVIGATION SYSTEMS**

QINCY Navigation Software, Hydro-Pro Navigation Software, Eiva Navigation software, PDS 2000 Navigation Software.



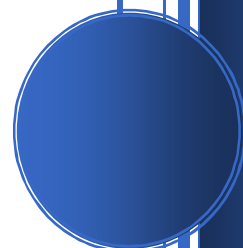
## FREELANCE WORK HISTORY

Name of company SAIPEM SA Milan Italy  
Vessel name DSV Bar Protector  
Position held Senior Survey Engineer  
Client Exxon Mobil  
Project Name Critical Crude Pipeline Replacement Project  
Location - Date Nigeria 20-10-2010 to 31-08-2011  
Work Activities Saturation Diving Survey Support, Spool Installation, Pipeline Commissioning, Trenching, Pre-Lay to As-built Surveys

Name of company SAIPEM SA Milan Italy  
Vessel name DSV Bar Protector  
Position held Senior Survey Engineer  
Client ESCAL UGS  
Project Name ACS Cobra Castor Pipelines Project  
Location - Date Spain Vinaros 30-11-2011 to 01-01-2012  
Work Activities Saturation Diving Support, Survey Support, Spool Installation, Pipeline Installation/Commissioning, Trenching, Pre to As-built Surveys  
Subsea Vehicle Flexjet Trencher, Innovator 05 ROV

Name of company SAIPEM SA Milan Italy  
Vessel name DSV Bar Protector  
Position held Senior Survey Engineer  
Client Snam Rete Gas  
Project Name OLT Livorno FSRU Project  
Location - Date Italy Livorno 08-01-2012 to 10-03-2012  
Work Activities Saturation Diving Survey Support, Spool Installation, Mattress Installation, Pipeline Commissioning, Pre to As-built Surveys  
Subsea Vehicle Innovator 05 ROV

Name of company SAIPEM UK  
Vessel name DSV Bar Protector  
Position held Senior Survey Engineer  
Client Centrica Energy  
Project Name York Development  
Location - Date UK Hull 21-06-12 to 16-10-12  
Work Activities Saturation Diving, Survey Support, Spool Installation, Mattress Installation, Pipeline Commissioning, Pre to As-built Surveys



Subsea Vehicle Innovator 05 ROV

Name of company SAIPEM UK  
Vessel name DSV Bar Protector  
Position held Senior Survey Engineer  
Client Centrica Energy  
Project Name Katy Development  
Location - Date Holland 17-10-2012 to 12-12-2012  
Work Activities Saturation Diving Survey Support, Spool Installation, Mattress Installation, Pipeline Commissioning, Pre to As-built Surveys

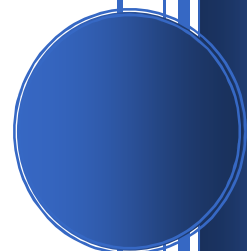
Subsea Vehicle Innovator 05 ROV

Name of company SAIPEM SpA Portugal  
Vessel name DSV Bar Protector  
Position held Party Chief / Report Co-Ordinator  
Client Cabinda Gulf Oil Company  
Project Name Congo River Crossing (CRX Phase I)  
Location - Date Congo 05-01-2013 to 09-05-2013  
Work Activities Saturation Diving Survey Support, Spool Installation, Mattress Installation, Pipeline Commissioning, Pre to As-built Surveys

Subsea Vehicle Innovator 05 ROV

Name of company SAIPEM SpA Portugal  
Vessel name DSV Bar Protector  
Position held Party Chief / Report Co-Ordinator  
Client Esso Exploration Angola  
Project Name Kizomba Satellites (Phase I)  
Location - Date Angola 10-05-2013 to 26-05-2013  
Work Activities EFL and HFL Route Surveys  
Subsea Vehicle Innovator 05 ROV

Name of company SAIPEM SpA Portugal  
Vessel name DSV Bar Protector  
Position held Party Chief / Report Co-Ordinator  
Client Total E&P Nigeria Ltd  
Project Name USAN UFR and OLT  
Location - Date Nigeria 03-06-2013 to 18-06-2013  
Work Activities Fairlead Transfer and As-Installed Surveys  
Subsea Vehicle Innovator 05 ROV

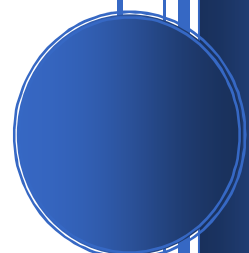


Name of company SAIPEM SpA Portugal  
Vessel name DSV Bar Protector  
Position held Party Chief  
Client Cabinda Gulf Oil Company  
Project Name Congo River Crossing (CRX Phase II)  
Location - Date Congo 05-01-2013 to 09-05-2013  
Work Activities Saturation Diving Survey Support, Spool Installation, Mattress Installation, Pipeline Commissioning, Pre to As-built Surveys  
Subsea Vehicle Innovator 05 ROV

Name of company SAIPEM SpA Portugal  
Vessel name DSV Bar Protector  
Position held Party Chief  
Client Exxon Mobil  
Project Name Critical Crude Pipeline Replacement Project II  
Location - Date Nigeria 12-01-14 to 29-04-2014  
Work Activities Saturation Diving Survey Support, Spool Installation, Riser Installation, Mattress Installation, Pipeline Commissioning, Pre to As-built Surveys  
Subsea Vehicle N/A

Name of company SAIPEM SpA Portugal  
Vessel name DSV Bar Protector  
Position held Party Chief  
Client Esso Exploration Angola  
Project Name Kizomba Satellites (Phase II)  
Location - Date Angola – 03-07-2014 to 14-07-2014  
Work Activities Air Diving, Riser Extension Installation  
Subsea Vehicle Innovator 05 ROV

Name of company SAIPEM SpA Portugal  
Vessel name DSV Bar Protector  
Position held Party Chief  
Client Petrobras  
Project Name Cabiúnas Gas Export Pipeline Project  
Location - Date Brazil 05-08-2014 to 26-09-15  
Work Activities Saturation Diving Survey Support, Spool Installation, Riser Installation, Mattress Installation, Pipeline Commissioning, Pre to As-built Surveys  
Subsea Vehicle Innovator 05, Olympian 06



Name of company	SAIPEM SpA Portugal
Vessel name	DSV Bar Protector
Position held	Party Chief
Client	Total E&P Nigeria Limited (TEPNG)
Project Name	OFON Phase II
Location - Date	Nigeria 09-11-2015 to Present
Work Activities	Saturation Diving Survey Support, Spool Installation, Pipeline Commissioning
Subsea Vehicle	Innovator 05, Olympian 06

