



SEISMIC MADE CLEARER™

Maria de Deuge

CV for Navigation Client Rep Consultant

PERSONAL DETAILS

Name: Maria DE DEUGE
Nationality: Australian
Location: Riverside, Tasmania



SUMMARY

Geophysicist and educator with 30 years of experience in seismic and non-seismic work, specializing in seismic QC, navigation and delivery of seismic quality. History of seismic data processing and experienced in marine data geophysics and project leadership. Additional experience of atmospheric and meteorological physics in Antarctica.

AREAS OF EXPERTISE:

- Shift leader / navigator / acting chief navigator
- 8-14 streamer vessels, marine 3D, 4D, broadband surveys
- Steerable streamers, WAZ surveys
- Seismic QC, navigation data QC, project and data management
- Onshore 3D seismic data processing
- Data QC and pre-production testing
- Full onboard processing to final stack
- Training & mentoring

BACKGROUND

My professional background includes over 16 years seismic acquisition experience around the world, in positions covering shift leader navigator, quality control supervisor, seismic data processor, and observer. This broad range of experience in various offshore seismic departments gives me the background to be a well rounded Navigation Client Representative consultant.

As a Shift Leader / Acting Chief Navigator for the last 7 years, I have been involved in 3D and 4D surveys, Sharp broadband / Broadseis, WAZ, including projects with close passes and intense fishing activity. I have worked on many vessels, including Polar Marquis, Polar Duke, Oceanic Vega, Geowave Champion, Viking2, Geco Eagle, Geco Tau and Rig Seismic, and have worked in most parts of the world – Asia, Australia, west and east Africa, India, Mediterranean, GOM and North Sea. All my navigation experience has been on high end



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ships operating with 10-14 streamers, using Nautilus steerable streamers and Orca software, and includes proficiency in Sprint and Iris nav processing.

My introduction to seismic began on an Australian government ship as a shift leader for 2D surveys, in a position involving systems development, quality control, and client liaison. I then joined Geco Prakla / Western Geco, working on 3D vessels as an onboard processor, observer and quality acquisition supervisor. I moved to Veritas DGC in the role of senior quality control geophysicist, which involved navigation and seismic data QC, survey planning, client liaison, and was also workboat coxswain. After a break from seismic, I joined Wavefield Inseis (which later merged with CGGVeritas) as a shift leader navigator on high- end 3D vessels. I was recently employed with Dolphin Geophysical as Shift Leader Navigator, and have acted as Chief Navigator.

Outside the seismic industry, I have worked for 3 years as a geophysicist on stations in Antarctica, run by the Australian Antarctic Division.

I consider myself a self-motivated worker who likes new challenges and responsibilities in the workplace. With 7 years of experience as a shift leader navigator, I am very familiar with all operational and technical aspects of navigation and survey planning. I have a detailed knowledge of navigation data processing using Sprint and Orca Iris, which gives me a deep understanding of the QC aspects of navigation data. My earlier experience in the seismic data processing and observing departments give me a good understanding of overall picture, and allows me to contribute effectively to the Client Representative consultant role.

I have a current FOET / BOSIET certificate and offshore medical.

EMPLOYMENT HISTORY

SEISMIC EXPERIENCE

Dolphin Geophysical 2011 – 2015

Shift Leader Navigator / Acting Chief Navigator,
10-14 streamer vessels; 3D, 4D, Sharp broadband surveys,
close passes; Steerable streamers; Orca 12, Iris processing; Nautilus

Wavefield-Inseis / CGGVeritas 2008 – 2011

Shift Leader Navigator,
8-12 streamer vessels; 3D, 4D and WAZ surveys; Steerable streamers;
Orca 10, Sprint processing; Nautilus, Digicourse

Veritas DGC 2003 – 2005

Senior Quality Control Geophysicist;
Navigation and seismic data QC, management of Reflex binning system and
shooting plans, workboat coxswain



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Western Geco 2000 – 2003

Quality Acquisition Supervisor / Observer

Online data and deliverables QC, including logs, stacks, cubes; Online, back deck and workboat observer duties.

Processing Geophysicist

Onshore 3D seismic data processing, pre-production testing.

Geco Prakla 1996 – 1997

Processing and Quality Control Geophysicist

Full onboard processing to final stack, online QC

Australian Geological Survey Organisation 1993 – 1996

Marine Acquisition Geophysicist

Nav / seismic shift leader, QC supervisor, and system development onboard 2D seismic vessel, Rig Seismic

NON-SEISMIC EXPERIENCE

Utahloy International School, China 2007 – 2008

Mathematics / Science Teacher

Secondary teacher of mathematics and science

Palmerston High School, Australia 2006

Mathematics Teacher

Secondary teacher of mathematics

Australian Geological Survey Organisation and Bureau of Meteorology 1997 – 1999

Geophysicist / Meteorological Observer in Antarctica

1998 Australian National Antarctic Research Expedition (ANARE) at Mawson, Antarctica - operation of geomagnetic, seismological and meteorological observatories.

Bureau of Mineral Resources, Australia 1990 – 1992

Geophysicist in Antarctica

1991 ANARE at Mawson, Antarctica – operation of geomagnetic, seismological and meteorological observatories; also in charge of husky teams.

Australian Antarctic Division 1986 – 1989

Atmospheric Physicist in Antarctica

1987 ANARE at Mawson, Antarctica and in Australia – operation of atmospheric physics laboratory with optical, radio, magnetic and air sampling equipment.



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TECHINICAL EXPERIENCE

- Positioning & Binning Systems, Nav Processing (Orca, Spectra, Iris, Sprint, Reflex, Veripos & Fugro DGPS, WG TriNav, Skyfix dNav, Racal Multifix, AGSO D.A.S.)
- Streamer and Source Positioning (Nautilus & Sonardyne acoustics, Digicourse & Syntron depth controllers, Buoylink & Seatrack RGPS Tailbuoys, Headfloats & Guns)
- Auxilliary Nav Systems (Konsberg Echosounder, SAIV TS Dip and Sippican Depth profilers, Sperry Gyrocompass, GPS Gyro)
- Streamers & Instrumentation (Seal, Sercel Solid streamers, Syntrak, Seisnet, Teledyne Underwater Systems Solid streamers, WG Triacq, WG Fjord Nessie-3 & Nessie-4, AGSO M.U.S.I.C. & Fjord analogue streamer)
- Energy Sources & Instrumentation (Gunlink, GCS90, WG Trisor, Gunco Bolt Airguns, Sleeve Guns, SSI Generator-Injector Guns)
- Seismic Processing (Tango, WG Seismos, Gecoseis)
- Gravity and Magnetics (Bodenseewerk, Geometrics)
- Computer Systems and Software (Linux & Windows PCs, Macintosh, HPUX, Sun / Solaris, Micro-Vax, VAX/VMS, Fortran)

COURSES ATTENDED

Safety / First Aid / Search and Rescue

HUET, BOSIET Opito Offshore Emergency, IFAP Solas Sea Survival
Shell General HSE orientation, Aquaterra Working at heights & Manual Handling
Tap Root Incident Investigation, STOP Safety, SHL & Injury Prevention Programs
Red Cross First Aid Level 2
TasFire Fire-fighting and Breathing Apparatus Courses
ANARE Snow and Ice Survival and Rescue

Technical / Management

Orca Configuration and Diagnostics; Sercel Nautilus; Seamap Buoylink; Veripos
DGPS
Triacq Advanced Course; DGPS Quality Measures; VMS System Management



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Veritas Supervisor Skills, Team Management & Building, Insights Personality Profiling

Mechanical

G11 Slings & G20 Hydraulic crane course

OHS Australia Forklift Operation; AITP Marine Crane Operation

WesternGeco & Veritas 25' Norpower Workboat and FRC Operation

Marine & Safety Tas Zodiac Inflatable Boat Operation

REFERENCES

Name: Hannes Ramschie

Position: Party Manager

Company: MV Polar Marquis

Name: Colin McCance

Position: Chief Navigator

Company: MV Polar MarquisGS