

# Robert Nock

## ***Subject Matter Expert - Submarine Cable Engineering***

Manager and technical lead for submarine cable system planning, survey & installation. Wide range of international experience and highly experienced in contractor and client management.

Successful project management, for cable owners, installers and survey companies, coupled with a thorough technical knowledge and years of field experience provides a basis for sound judgement.

### EDUCATION

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| 1998 | Master of Science (M.Sc.) Geographic Information Systems & Civil Engineering |
| 1995 | Bachelor of Science (B.Sc.) Hydrography                                      |

### RECENT EXPERIENCE

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| 2016    | North Shore Subsea Solutions - Survey Manager for a Trans-Pacific Fiber-Optic Cable (FOC) system (USA/Hawaii/US Samoa/NZ/Australia) Management of desk top study, site visits & permit liaison, route survey operations, route design and engineering (Makaipian) - TE Subcom  |
| 2016    | North Shore Subsea Solutions -Client Representative and route engineer for a submarine FOC inshore route survey (Spain) - TE Subcom  |
| 2015/16 | North Shore Subsea Solutions - Project manager for a 6.5 km PLSE installation for FOC in an oilfield (Venezuela) Burial by jet sled and PLIB by diver hand jetting plus sand bag emplacement. Tasks included: contractor selection including vessels, contractor & client management, scopes and plans of work, site visits, QHSE lead and billing/payments. – Cardon4 |
| 2015    | North Shore Subsea Solutions - Project Manager for a Horizontal Directional Drilling (HDD) in Alaska for a Fiber-Optic Cable (FOC) installation program – Alcatel Lucent   |



- 2015 North Shore Subsea Solutions - Feasibility study & drilling contractor selection for 2 x FOC river crossings in North West Territories (Canada) – Ledcor Technical Services
- 2015 North Shore Subsea Solutions - Submarine FOC burial assessment (data interpretation, analysis and reporting) – TE Subcom
- 2015 North Shore Subsea Solutions - Proposal management for multi-discipline marine construction work package in Fort McMurray, Vancouver, BC - Vancouver Pile & Dredge
- 2014 North Shore Subsea Solutions - Client Representative and route engineer on a Trans-Atlantic submarine FOC route survey (Canada) - TE Subcom
- 2014 – 2012 **Director of Projects, IT International Telecom, Montreal, Canada**  
Submarine fiber-optic, power & seismic cable installation (Caribbean, Canada, Australia, US Samoa, Brazil). All aspects of project assessment, bid support, budget management, departmental and client interface plus departmental lead. Survey and technical expertise
- 2011 – 2007 **Director, SWS (UK) Ltd, Principal owner, Technical consultancy & personnel agency**  
Clients: Shell, BP, Maersk, Alcatel, TE Subcom, FARICE, Woodside, UVIC, Dong Energy, Huawei, MainOne
- 2007 – 2002 **Independent Consultant, offshore survey and installation, QC and management**  
Shell Oil (Sakhalin & Brunei), BP (Trinidad and Azerbaijan), Dolphin Energy (Qatar), & Alcatel (Worldwide)
- 2000 – 2002 **Manager, Submarine Cable Engineering, 360networks, Vancouver, BC, Canada**  
Contractor selection & management, management of desk top study, site visits & permit liaison, route survey operations, route design and engineering for a Trans-Pacific fiber-optic cable system (USA/Canada/Hawaii/Japan)
- 1997 – 2000 **Senior Marine Engineer, Alcatel Submarine Networks, London, UK**  
Route design and installation management and planning for fiber-optic submarine cable systems. Contractor & client liaison & on-site management of global operations including: route surveys, pre-laid shore end installation (PLSE), deep water installation, shallow water installation, pre-lay grapnel runs (PLGR) and post-lay burial (PLIB)
- 1995 – 1997 **Hydrographic Surveyor, Racal Survey, USA & Trinidad**
- 1991 – 1992 **Marine Navigation QC, Western Geophysical**



1986 – 1991 **Hydrographic Surveyor, Royal Navy**

#### SPECIALIZATION SUMMARY

Submarine Cable Installation	Submarine Cable Route Design & Engineering	Hydrographic & Geophysical Surveying	Post-lay inspection and burial
Risk Assessment	Contract Management	Offshore Client Representation	Sub-contractor selection and management
Permit Management	Feasibility Studies & Site visits	Project management	Quality & HSSE

#### MARINE SAFETY & MEDICAL COURSES

Further Offshore & Emergency Training valid to 4 May 2018	OPITO course – Falck Safety Services, Houston, USA
Marine Medical Certificate (ENG1 equivalent) valid to March 2018	Mariners Clinic, Vancouver, BC, Canada

#### TRAINING

2011	Project Management	Open University (UK)
2006	Offshore Risk Assessment	Instinct Training (UK)
2004	Cable Ship Navigation	Global Marine Systems Ltd (UK)
1999 & 2004	Makai Plan GIS cable engineering software	Alcatel (UK)

#### DETAILS

Nationality – British Residency – Canadian	Age – 49 Seaman Book - Canadian
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