

# Curriculum Vitae

(Alan D Ryon October 2009)

**Name** : ALAN DEXTER RYON  
**Date of Birth** : 1949  
**Marital Status** : Married  
**Permanent Residence** : 13 Medford Way  
Victor, New York  
USA 14564-1509

**Present Residence** : 34 J.J. Jingco St.  
PhilAmLife Village  
Las Pinas City  
The Philippines 1740

Tel: +632-873-2723 (Manila Residence)  
+632-871-2349 (Manila Office Phone/Fax)  
+63-917-841-2480 (Mobile)

**Qualifications** : - B.A. Degree, Physics Major, Wittenberg University, Springfield Ohio 1971  
- Graduate Work, Physical and Geophysical Oceanography,  
University of Washington, Seattle Wa. 1972-1973  
- A.A. Degree, Marine Technician (Diving), Highline Community College,  
Midway Wa. 1974-1975  
- CSWIP 3.4 2004  
- Certified NATA Signatory for SubSea Offshore Australia, NDT Lab 1983  
- Lloyds qualified in Underwater MPI and UT Testing (USM-2) 1980

## CAREER SUMMARY

Over 33 years experience in Oil and Gas Industry primarily involved in inspection and corrosion related engineering work. Project Management and formulation of inspection programs for offshore oilfield structures as well as the development of software systems for operations control, data acquisition and inspection reporting. I have been extensively involved in offshore projects in the capacity of Senior Inspection Engineer, Project Manager and Client Representative. More recently, I have been heavily involved in the development and implementation of anomaly based inspection reporting, asset integrity management and risk based inspection systems.

## MAJOR CAPABILITIES

Comprehensive knowledge and experience of:

- Project management and Client Liaison for offshore inspection projects
- Management of computer/digital video based data acquisition and reporting systems both onshore and offshore
- NDT methods and procedures applied topside and underwater
- Extensive practical, field experience, including developing inspection tools specifically for underwater application of topside inspection techniques
- Implementation and use of Integrity Status Reporting Systems
- Implementation and use of Risk Base Integrity Management Systems
- Creating and normalizing data base structures for oil and gas industry applications, data cleansing/mining from legacy systems

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## SUMMARY OF WORKING EXPERIENCE

**Employer:** Soga Technologies INC.

Aug 09 – Oct 09 Client: Shell Philippines Exploration BV.  
**INTEGRITY ENGINEER**

Integrity Engineer for the Shell Philippines Exploration BV. Malampaya, reviewing and assessing asset anomalies, asset materials records review, and assisting in revision of tender documentation for the SPEX Underwater Services Contract.

Jun 09 – Aug 09 Client: DOF Subsea  
**SENIOR INSPECTION ENGINEER**

Senior Inspection Engineer, report compilation and data management for the Shell Philippines Exploration BV. Malampaya 2009 Underwater Asset Inspection Campaign.

Apr 09 – May 09 Client: DOF Subsea  
**SENIOR INSPECTION ENGINEER / PROJECT MANAGER**

Senior Inspection Engineer, for the offshore inspection of the SPEX CALM System and the Offshore Project Manager for the Shell Philippines Exploration BV. Malampaya 2009 Underwater Asset Inspection Campaign.

Jan 09 – Mar 09 Client: Shell Philippines Exploration BV.  
**INTEGRITY ENGINEER**

Integrity Engineer for the Shell Philippines Exploration BV. Malampaya, involved in anomaly sentencing, preparation and rationalisation of the RBI work scopes for the Malampaya IRM 2009 Inspection Campaign. Also, performed anomaly review for SMEP Malaysia during the implementation of IMSA3.

Oct 08 – Nov 08 Client: SBS International / POTL.  
**INTEGRITY ENGINEER**

Trend analysis, anomaly review and recommendations for all Pearl Oil (Thailand) Jasmine Field pipelines, platforms and sub-structures.

Sep 08 – Dec 08, Mar 09 Client: ADMA, Abu Dhabi.  
**INTEGRITY ENGINEER**

Integrity Engineer for Soga Technologies INC creating a specification for an asset integrity data base for inspection information involving all asset types.

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- Jun 08 – Aug 08                      Client: Shell Philippines Exploration BV.  
**INTEGRITY ENGINEER**
- Integrity Engineer for the Shell Philippines Exploration BV. Malampaya, involved in preparation of information and charts for a pipeline remedial work program, and assistance with pipeline span analysis. In conjunction with the work done for DOF Subsea, as describe below.
- Jun 08 – Jul 08                      Client: DOF Subsea  
**SENIOR INSPECTION ENGINEER**
- Senior Inspection Engineer, report compilation and data management for the Shell Philippines Exploration BV. Malampaya 2008 Underwater Asset Inspection Campaign.
- May 08                                  Client: Philiodrill Corporation  
**CLIENT REPRESENTATIVE**
- Client Representative/Senior Inspection Engineer, for an offshore underwater inspection project, consisting of four steel jackets in the area of El Nido, North Palawan, Philippines.
- Mar 08 – April 08                    Client: DOF Subsea  
**SENIOR INSPECTION ENGINEER/PROJECT MANAGER**
- Offshore Senior Inspection Engineer/Shift Manager for the Shell Philippines Exploration BV. Malampaya 2008 Underwater Asset Inspection Campaign, Phase 1
- Jan 08 – Feb 08                      Client: Philiodrill Corporation  
**SENIOR INSPECTION ENGINEER**
- Senior Inspection Engineer, offshore topside inspection and work scope preparation for detailed topside inspection of well casings. Also, produced work scopes for the underwater inspection of 4 offshore platforms and an associated pipeline.
- Jan 08                                  Client: DOF Subsea  
**SENIOR INSPECTION ENGINEER**
- Senior Inspection Engineer, report compilation and data Management for the Shell Philippines Exploration BV. Malampaya 2007 Underwater Asset Inspection Campaign, Phase 2
- Nov 07 – Dec 07                      Client: Shell Philippines Exploration BV.  
**INTEGRITY ENGINEER**

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- Integrity Engineer for the Shell Philippines Exploration BV. Malampaya 2007 Underwater Asset Inspection Campaign, anomaly analysis and underwater protective coatings review.
- Sep 07 – Oct 07      Client: DOF Subsea  
**SENIOR INSPECTION ENGINEER**
- Offshore Senior Inspection Engineer for the Shell Philippines Exploration BV. Malampaya 2007 Underwater Asset Inspection Campaign, Phase 2
- Aug 07 – Sep 07      Client: Shell Philippines Exploration BV.  
**INTEGRITY ENGINEER**
- Integrity Engineer for the Shell Philippines Exploration BV. Malampaya 2007 Underwater Asset Inspection Campaign, anomaly analysis and work scope reviews.
- Jun 07 – Jul 07      Client: Geo Subsea  
**SENIOR INSPECTION ENGINEER**
- Senior Inspection Engineer, report compilation and data management for the Shell Philippines Exploration BV. Malampaya 2007 Underwater Asset Inspection Campaign, Phase 1
- Apr 07 – May 07      Client: Geo Subsea  
**SENIOR INSPECTION ENGINEER**
- Offshore Senior Inspection Engineer for the Shell Philippines Exploration BV. Malampaya 2007 Underwater Asset Inspection Campaign, Phase 1
- Dec 06 – March 07      Client: Shell Philippines Exploration BV.  
**INTERGRITY ENGINEER**
- Review of the Malampaya Asset Integrity System documentation and review of the Risk-based Inspection work scopes for the Malampaya Underwater Asset Inspection Campaign 2007.
- Mar 06 – Aug 06  
&  
Oct 06 – Nov 06      Client: Covus /Geo Subsea  
**SENIOR INSPECTION ENGINEER**
- Offshore Senior Inspection Engineer for the Shell Philippines Exploration BV. Malampaya 2006 Underwater Asset Inspection Campaign and, the Pertamina, 28" EJGP East Java Pipeline Inspection.

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- Onshore data review of all digital video, electronic databases and production of the final reports.
- Mar 06 – Sep 06      Client: BP Indonesia  
**INTERGRITY ENGINEER**
- Ongoing review of inspection and anomaly data for BP's West Java offshore oilfield structures. Reviewed all anomalous findings from approximately 100 structures, summarized the results, classified anomalies and recommended remedial actions.
- Oct 05 – Feb 06      Client: Premier Oil Indonesia  
**INTERGRITY ENGINEER**
- Tender document preparation and technical review for the Anoa Field underwater asset inspection and remedial work requirements for 2006.
- Jan 03 – Sep 05      Company: SeaQuill Inspection Services and Covus  
**Inspection/General Manager**
- Managed a joint venture between Soga and Covus, which provides data acquisition systems for platform and pipeline surveys using digital video and advanced eventing systems. The main client was Shell Philippines Exploration BV and surveys were also carried out for ExxonMobil Indonesia and ConocoPhillips Indonesia.
- The tasks included system procedures, equipment configuration, offshore management, data review and report production. Special emphasis was put on developing reports for pipeline span analysis and anomaly processing and reporting.
- Apr 02 – Dec 03      Client: Shell Philippines Exploration BV  
**INTERGRITY ENGINEER**
- Project Engineer for the Malampaya Asset Integrity Monitoring System (AIMS).
- Produced management control procedures for the pipelines and underwater assets including the alignment of the Integrity Management System Application (IMSA) with SAP.
- Involved in the development of IMSA asset register and workscope generation routines.
- Feb 02 – Mar 02      Client: Premier Petroleum Myanmar Ltd.  
**INTERGRITY ENGINEER**

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Produced fully documented worksopes and drawings for the topside and underwater structural, baseline inspections of the Yetagun A and B facilities and FSO. This workscope included a pipeline span rectification program.

Oct 01 – Jan 02

Soga Product Development Centre, Manila, Philippines  
**INTERGRITY ENGINEER**

Providing engineering input for the development and implementation of Asset Integrity Management systems for the Oil and Gas Industry.

Employer:

**Germansicher Lloyd Offshore and Industrial Services (B) Sdn Bhd,**  
**May 00 to the present**

May 00 – Sep 01

Client: BRUNEI SHELL PETROLEUM BHD  
**RELIABIITY ENGINEER SPECIAL PROJECTS**

Involved in development of an Asset Integrity Management system based on the CIRRAS (CORTRAN) databases. Special projects included the computer processing and presentation of Intelligent Pigging data for onshore and offshore pipelines for the purposes of determining the remaining life, anomaly assessments and repair requirements. In addition, served as reliability engineer, managing the integrity and inspection programs for offshore oil and gas facilities using the risk based inspection techniques developed within the project.

Employer:

**Sulaiman Development Services Bhd Sdn, Aug 94 - Jun 00**

Jan 98 – June 00

Client: BRUNEI SHELL PETROLEUM BHD  
**RELIABIITY ENGINEER SPECIAL PROJECTS / DEPUTY CONTRACT REP.**

Involved in development of an Asset Integrity Management system based on the CIRRAS (CORTRAN) databases. The main tasks involved Criticality assessment of anomalies and integrating the CIRRAS system with other corporate systems. In addition, developed applications to cross-verify information from different corporate sources (legacy systems) as part of the development of a centralised corporate facilities database (FDB).

Aug 94 – Dec 97

Client: BRUNEI SHELL PETROLEUM BHD  
**PROJECT ENGINEER / DEPUTY CONTRACT REP.**

Principal duties entailed management of the CIRRAS (CORTRAN) baseline inspection program databases and development of management level summarisation tools and an anomaly based tracking system for the client. Also involved scheduling and preparation of inspection packages and reports production.

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**Employer:** Info Express, Sep 93 - Jun 94

Sep 93 - June 94 INFO EXPRESS, KIRKLAND WASHINGTON, USA  
**BUSINESS DEVELOPMENT MANAGER**

Development of the SIDA (Sonar Imaging and Data Acquisition System) system for acquisition of data for the inspection of offshore structures and pipelines. In addition, did extensive marketing surveys for the application of SIDA's data basing and imaging technologies for a wide range of underwater and land based applications.

**Employer:** Sulaiman Development Services Bhd Sdn, Aug 87 - Jul 93

Oct 91 - Jul 93 Client: BRUNEI SHELL PETROLEUM BHD., BRUNEI  
**PROJECT ENGINEER / INSPECTION ENGINEER**

Vessel: DSV PACIFIC ATAAWHAI (Operated by F.D.I./SWIRES)

S.D.S. provided a total inspection and engineering management service to the ECO/41 department for its U/W structures. SDS prepared the worksopes and procedures, Autocad drawings and data sheets, provided third party Q.A. and data recording offshore and compiled the final reports. Approximately 65 platform inspections were performed each year with the addition of multitude of other structural and pipeline inspection/remedial work scopes.

S.D.S. was responsible for the archiving and filing of all U/W original data and reports as well as maintaining the computer files storage.

S.D.S. provided the computer development and upgrades for OPUS, BSP's computerised U/W operational data base system. In addition, S.D.S. has provided an U/W Structural data base for monitoring the integrity of all the offshore structures. (CIRRAS).

S.D.S. has also been involved in related engineering projects such as the feasibility of platform salvage using explosives, a market survey for a major pipeline inspection programme and the experimentation with electronic and multi-media reporting.

Apr 87 - Sep 91 Client: BRUNEI SHELL PETROLEUM BHD. INSPECTION/MAINTENANCE, BRUNEI.  
**BSP, ONSHORE INSPECTION ENGINEER / COMPANY REP.**

Vessels: SMIT MORAY, DSV WINSERTOR, DSV PACIFIC ATAAWHAI.

Onshore organization of procedures and report production for the inspection/maintenance of 200 offshore structures. Introduced the ORCA based concept of Anomaly Based Reporting.

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Programming and maintenance of OPUS, computer job logging system. Written in dBase III, run in dBase IV, for logging status of all offshore work, vessel statistics and diving statistics.

Relief Company Rep. for the callout diving team.

Offshore Reports coordination on the DSV Winsertor.

Seconded to ECO/1 department, January 90, to develop and program a project materials ordering and tracking system, MATRACK, programmed in dBase III.

### Employer:

#### SubSea Offshore/SubSea International/SubSea Australia Jan 76- Nov 86

Jan 84 - Nov 86

Client: BRUNEI SHELL PETROLEUM BHD. BRUNEI.  
**ONSHORE INSPECTION MANAGER / REPORTS COORDINATOR**

Vessel: DSV SUBSEA CANOPUS.

Organization of procedures and report production for the inspection/maintenance of 200 offshore structures.

Formulation, maintenance and updating of a PC based, dBase II, Job Logging System.

Responsible for the testing and certification of the diver/inspectors for MPI and UT under the ASNT scheme. Gave theory and practical reviews sessions to the divers, in both disciplines.

Jun 82 - Jun 83

Client: WOODSIDE PETROLEUM, AUSTRALIA. NORTH RANKIN A  
INSPECTION/REPAIR  
**INSPECTION MANAGER**

Vessel: D.B. THOR.

Onshore formulation of a major damage inspection procedure, organization of inspection equipment, design and fabrication of large scale molding system and roundness/straightness jigs.

Offshore supervision of all inspection work and was certified as the NATA Signatory for SubSea's Offshore NDT Laboratory - MPI, visual inspection, stereo still photography, video and dimensional surveys.

Hyperbaric Weld Repair: Was responsible for the supervision of all U/W NDT and dimensional surveys during a major repair.

Produced a 7 volume report encompassing the entire Inspection/ Repair project.

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Jun 83 - Nov 83  
&  
Oct 79 - Apr 82

Client: SBPT, NEW ZEALAND, MAUI A INSPECTION/MAINTENANCE  
**PROJECT INSPECTION SUPERVISOR**

Vessel: STENA CONSTRUCTOR

Prior to the commencement of the contract, organized the inspection procedures for the Pipeline and Tower Inspections.

Offshore Supervisor of the inspection programme for simultaneous deployment of surface divers, saturation divers and an ROV.

Supervised the final report production, primarily done offshore.

Main task: NDT weld inspection, CP surveys and pipeline inspection. Developed molding techniques for modeling corrosion pitting and large-scale dents. Successfully used U/W MPI Photography and Ultrasonic Flaw Detection below 100 meters. Developed a roundness/straightness gauge for 3 dimensional mapping of damage tubular members.

Sep 79

Client: BP, NORTH SEA FORTIES FIELD/MSV SULAIR TRIALS  
**OFFSHORE INSPECTION ENGINEER**

Vessel: SULAIR.

Ships Trials, Main Task was Visual Inspection on the Forties Field Platforms. In addition, improved layout of Control Van and designed the Inspection Office.

Aug 79

Client: CHEVRON, NORTH SEA, NINIAN SOUTHERN/ROV INSPECTION,  
**CHEVRON REP. / INSPECTION SUPERVISOR**

Vessel: TENDER COMMANDER

Liaised with Chevron's base facility. Supervised the CP Surveys and Visual Inspection done by SMT-I (Remotely Operated Vehicle).

Jun 79 - Jul 79

Client: AMOCO, NORTH SEA , MONTROSE ALPHA INSPECTION/  
MAINTENANCE  
**PROJECT INSPECTION ENGINEER**

Vessel: SEAFORTH CAPE.

Initial setup of data sheets, U/W Inspection Equipment and inspection programme. Main tasks were NDT weld inspection, still photography, Marine Growth Surveys, CP Surveys, SBM inspection and maintenance.

Production of final Report.

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Jan 79 - May 79

Client: BP, NORTH SEA, FORTIES FIELD INSPECTION  
**PROJECT INSPECTION ENGINEER**

Vessel: OIL ENDEAVOR

Onshore preparation of inspection programme and equipment.

Offshore Inspection Supervisor for visual and NDT weld inspection and ultrasonic wall thickness measurement.

Jan 78 - Dec 78

Client: BP, NORTH SEA, FORTIES FIELD INSPECTION  
**PROJECT INSPECTION ENGINEER**

Vessels: OIL ENDEAVOR (SATURATION DIVING)  
VICKERS VIKING (L-1 LOCKOUT SUBMERSIBLE)  
VICKERS (TAURUS AND L-5 LOCKOUT SUBS)

Onshore coordination of inspection equipment for all vessels and a data acquisition system.

Offshore coordination of the visual inspection programme of all vessels.

Onshore final report production.

Comparison of the work efficiency between the Saturation Dive Vessel and the Lockout Submersibles.

Approximately 35 hours logged as a data recorder in the Submersibles.

Jan 77 - Dec 77

FORTIES FIELD INSPECTION, BP, NORTH SEA  
**PROJECT INSPECTION ENGINEER**

Vessel: ACTIVE DUKE

Onshore organization of the Inspection Programme, assisted in development of a Computer based Data Storage System.

Offshore Supervision of the Visual Inspection of Forties Charlie and all the Forties Field Risers.

Final report production.

Mar 76 - Dec 76 :

FORTIES FIELD INSPECTION, BP, NORTH SEA  
**PROJECT ENGINEER / DATA COORDINATOR**

Vessels: OIL HUSTLER AND TENDER CARRIER

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Worked in conjunction with BP Pet Dev to formulate the first Deep Water Inspection Project to be carried out on a North Sea Oilfield Structure.

Developed a logical and systematic manual data acquisition system for the Visual Inspection of the Forties Field. Offshore supervision of the visual inspection / data acquisition.

Jan 76 - Feb 76

Client: BP, NORTH SEA, FORTIES FIELD  
**LIFE SUPPORT TECHNICIAN**

Vessels: DB THOR AND DB HERCULES.

Life Support Technician and gaining practical knowledge on the use of the SSM-7 Dive tables (developed at Virginia Mason Research Centre).

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## HYPERBARIC PHYSIOLOGICAL RESEARCH

Jan 75 - Dec 75

VIRGINIA MASON RESEARCH CENTER, SEATTLE, WA.

Involved in the development of a Data Acquisition System for a Doppler, Ultrasonic Bubble Detection System by interfacing the System to a Wang computer.

Doppler/Decompression studies with goats, developing safe dive tables with no 'bubbles', in a series of 60 'dives'.

Chamber Operation/Supervision of Hyperbaric Medical Treatments for Decompression Sickness, Gas Gangrene and Air Embolism.

Predictive Studies IV, University of Pennsylvania, Institute for Environmental Medicine: one month project acquiring Doppler Bubble Detection Data on four divers during decompression from excursions equivalent to 1600 FSW.

Assisted in the compilation of the SSM-7 Deep Dive Tables and Instruction Manual (for Subsea International).

## OCEANOGRAPHY

1973 - 1974

Assistant survey Technician, NOAA ships Oceanographer and Surveyor. Projects GATE, JOINT and CUEA. Duties included Hydrographic surveying. Salinity, temperature and depth profiling, current profiling, assisting in deployment of instrument arrays.

1973

One month geophysical cruise, on the RV T.G. Thompson, Panama Basin as a student technician, Heat flow and Seismic Profiling.