Candidate Profile

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| Candidate Name: | Hilman Salleh | | |
| Client Name: | **ExxonMobil** | | |
| Position Applied: | Inspection Engineer | | |
| Consultant Name: | Jerusha Lieow Lengse | | EA Personnel Registration No. R1543596 |
| Consultant Contact Details: | Jerusha\_Lieow@kellyservices.com.sg | | |
| O (65) 6709 3441 | M (65) 9750 4536 | F (65) 6337 1950 |

**Candidate Summary**

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| Gender: | Male |
| Marital Status: | Married |
| Age: | 40 (31st Sept 1975) |
| Nationality: | Singaporean |
| Languages: | English |
| Availability: | 2 months |
| Salary: | Current basic – SGD 11,000 x 13 months  Allowances – None. Medical coverage for self and family  Variable Bonus – Not applicable  Expected Salary – Open to looking at SGD 10,000-11,000 |

**Kelly Consultant’s Comments**

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| Candidate is a Chartered Professional Engineer with 12 years’ experience in Asset Integrity Engineering and Management including Corrosion Management, Inspection and Maintenance Management. Comes in with strong technical hands-on expertise and knowledge in API standards and codes, NDT testing methods and applications, corrosion, inspection, maintenance management of fixed equipment such as pressure vessels, tankage and pressure equipment. Certified API 510, API 570, API 653 inspectors. |

**EMPLOYMENT HISTORY**

**Jul 2015 – Present**

**DNVGL, Oil & Gas Technology Center | Singapore |** [**www.dnvgl.com**](http://www.bhpbilliton.com)

**Principal Asset Integrity Engineer**

Key Responsibilities:

* Providing technical advisory services for the oil and gas industry.
* Asset Integrity implementation and assessments for FPSO, FLNG, Gas Plants, Refineries and Pipelines.
* Providing integrity assurance, compliance, review and audit for oil and gas assets.
* Conducting technical due diligence work.
* Conducting asset life extension studies for aging assets.
* Involved and provide solutions in all asset-specific integrity issues (Upstream, Downstream facilities and subsea including pipelines).
* Involved in asset integrity management, maintenance and inspection planning and inspection condition assessment.
* Supervise and conduct risk-based inspections (RBI) studies in order to determine Integrity Operating Windows (IOW) for client Upstream and Downstream facilities, and generate Inspection Plans and other technical documents for client review.
* Responsible for providing consultancy internally and externally on specialist engineering discipline.
* Facilitate risk assessment workshop.
* Manage small to large-sized projects and ensure projects are completed on time and within budget.

Reason of Leaving: Currently Oil and Gas industry is not doing very well, candidate is looking into more stable long term opportunities as there is possible retrenchment in current company

**Jan 2013 – Jun 2015**

**BHP Billiton Petroleum | Perth, Western Australia |** [**www.bhpbilliton.com**](http://www.bhpbilliton.com)

**Integrity Engineer**

Key Responsibilities:

* System Custodian for hydrocarbon pressure containment, structural integrity, passive fire protection and pressure relief devices for FPSOs and Gas Plants.
* Member of Integrity of Fixed Equipment Global Initiative Team.
* Developing, maintaining and continually improving the integrity management system and reporting for each facility.
* Develop and review performance standards and maintenance strategies for critical equipment.
* Providing specialist engineering guidance and professional judgment in support of operations, maintenance and reliability projects.
* Setting of Inspection Strategies, review of Inspection work packs, reports and development of remediation actions for identified anomalies.
* Integrity Envelope Surveillance.
* Defining and coordinating fabric maintenance programs across all facilities.
* Managing the implementation of Risk Based Inspection and Inspection Data Management Software System.
* Coordinating and conducting annual integrity reviews with Facility and Field Managers.
* Performing integrity assurance and compliance audits.
* Coordinating effective implementation of BHPB Petroleum Technical Integrity processes and standards.
* Assessing, reviewing and recommending changes in accordance with Management of Change procedures and implementing approved changes.
* Liaison and coordination with regulatory bodies, flag and classification organizations.

Key Achievements:

* Managed and implemented Risk Based Inspection Study for FPSOs, Gas Plants and pipelines.
* Improved and streamlined the Integrity and Maintenance Management system, procedures, strategies and planning.
* Significantly improved in reducing the number of facilities backlog action and maintenance items. This increases uptime and performance for the facility.
* Implemented the Fabric Maintenance and Structural Integrity procedures and activities.
* Contributed to HAZOP study and project management of in-situ bilge keel and hull strengthening repair work.
* Supervised the in-situ hull repair work with zero HSEC incidents. Work includes underwater welding and ballast tanks stiffener installation.
* Successfully completed subsea riser and bend stiffener inspection utilizing ROV.
* Successfully managed and completed all Integrity related activities during drydock as Lead Integrity Engineer with zero LTI and special commendation.
* Contributed to the Safety Critical Equipment and Performance Standard improvement project.
* Participated in the regulatory and class audits such as NOPSEMA, Dept. of Mines and Petroleum and ABS.

Reason of Leaving: Family wanted to return back to Singapore

**Apr 2010 – Dec 2012**

**BW Offshore | Singapore |** [**www.bwoffshore.com**](http://www.bwoffshore.com)

**Corrosion and Integrity Engineer**

Key Responsibilities:

* Maintaining day to day operations of facilities in terms of mechanical integrity, corrosion management, studies and materials selection.
* Providing engineering support and reviewing Management of Change, Technical Queries, Shutdown and Breakdown reports.
* Develop and implement an Asset Integrity Management system and practices.
* To ensure Corrosion and Materials Engineering and Selection is performed in accordance with codes and standards used and / or to agreed industry standards.
* Conduct RBI studies to the topsides process facilities.
* Support studies that establish risk and categorization for operational plant and equipment.
* Conduct Technical Integrity Reviews and Asset Life Extension Studies.
* Coordinating corrosion, inspection and integrity management activities with other engineering disciplines and client representative as required meeting project requirements.
* Review of data, assessment of internal and external environment corrosion and the preparation of reports for inspection, materials selection, chemical treatment, corrosion monitoring, corrosion management, fabrication and construction.
* Develop and upkeep of Corrosion Management Philosophy and Strategy, Inspection Strategy, RBI Methodology, Asset Integrity Management System Strategy.
* Overall supervision of the Corrosion, Inspection and Materials engineering work across all projects and facilities.

Key Achievements

* Developed the corrosion management plans for BW FPSOs worldwide.
* Team member in the implementation of Risk Based Inspection for the fleet.
* Made significant contributions in the development of Asset Integrity Management system, procedures and work instruction by introducing best engineering practices.
* Managed inspection work and successfully completed various base line surveys fleet wide.
* Participated in the Life Extension Study for Espoir Ivorian FPSO. Successfully completed the scope of work for piping, coating and cathodic protection refurbishment.
* Managed the transition of Peregrino FPSO on Integrity and Corrosion Management related work by ensuring systems and procedures are in place for smooth taking over of operations.
* Made successful contributions to the regulatory audit with HSE UK for BW Athena FPSO.
* Successfully lead the internal audit team for ABO FPSO. Audit consisted of Integrity, Maintenance and HSE scope.
* Team member for FPSO inspection for Operations and Maintenance contract bid.

Reason of Leaving: Left to seek better career opportunities.

**Mar 2008 – Apr 2010**

**Rig Inspection Services | Singapore**

**Mechanical Integrity Engineer**

Key Responsibilities:

* Developing procedures, methodologies and strategies to corrosion control, RBI and asset integrity management. Provided lifecycle studies and inspection management program for class, regulators and clients reference.
* Develop and review maintenance, Corrosion mitigation, and monitoring and inspection procedures.
* Setting up Inspection Management plan, guidelines and Plant Integrity system for Refineries and FPSO (Process) topsides.
* Project management, project planning and supervising work in accordance with the requirements of the established procedures and techniques, codes, specifications and written work instructions.
* Provide operational and engineering support to project teams.
* Monitor project efficiency in terms of operational and financial aspects.
* Reviewing, maintaining and updating of inspection work procedures, specifications and techniques.
* Preparing, updating and reviewing inspection reports, templates and procedures to ensure relevance to the latest codes and standards as per API 510/570/653.
* Carrying out API inspection and certification as per API 510/570/653 when required.
* Preparing technical specifications and commercial proposals when required.
* Liaising with clients on technical/engineering matters such as repair procedures, specifications, stress analysis, root cause analysis, risk based inspection methodology, corrosion management and damage mechanisms, risk assessments and mechanical integrity / fitness for service of tankage, pipelines and pressure vessels.
* Coordinate subordinates under supervision to perform work as scheduled and ensure reports are thoroughly completed and submitted on time.

Key Achievements

* Setting up of Inspection Data Management System
* Successful management and lead team for inspection work locally and overseas.
* Projects include: FPSOs and Drill ships

Reason of Leaving: Left to explore a new career challenge in BW Offshore

**Feb 2003 – Feb 2008**

**International Refinery Services | Singapore**

**Inspection Engineer**

Responsibilities and Achievements:

* Achieved professional certifications as API Authorized Inspector.
* Achieved professional certifications in various NDT methods.
* Successfully lead and conducted various tank, piping and pipeline inspection covering Asia Pacific region.
* Conducted QA/QC inspection, Vendor TPI and Client Representative for FATs.
* Conducted engineering integrity assessments and fitness for service for Above Ground Storage Tanks and Piping for Shell, ExxonMobil, Chevron, BP etc.
* HSEQ committee member.

Reason of Leaving: After 5 years with IRS, decided to leave for a new career challenge.

**TECHNICAL SKILLS**

* Technical Skills:
* Asset Integrity Management and Safety Case Regime
* Safety Critical Elements and Performance Standards
* Technical and Operational Integrity Management
* Structural Integrity Management
* Corrosion, Inspection and Maintenance Management of Pressure Equipment
* Integrity Assurance, Validation, Verification and Audit
* Technical Due Diligence
* Risk Based Inspection and Damage Mechanisms
* Pressure Equipment and Storage Tank Inspection, Repair and Fitness for Service Assessments
* Advanced and Conventional Non-destructive Testing Methods and Applications
* Welding Inspection and Metallurgy
* New Technology Qualification
* Risk Mitigation and Failure Analysis (Risk Assessments, HAZID, RCA)
* Well versed in International Codes, Standards and Recommended Practices such as AS, BS, ASME, API, NORSOK, NR-13, DNV, ABS, ISO 55000 etc.
* Software Skills
* Computerized Maintenance Management System – MAXIMO, AMOS and SAP
* Asset Integrity Software and Inspection Management System – Synergy Plant Onshore & Offshore RBI, NEXUS, VAIL and Galiom
* MS Projects

**EDUCATION & PROFESSIONAL DEVELOPMENT**

**Robert Gordon University, Aberdeen, Scotland (2015)**MSc Asset Integrity Management

**Curtin University, Perth, Australia (2002)**BEng Mechanical Engineering, 2nd Class Honours

**Ngee Ann Polytechnic, Singapore (1996)**   
Diploma in Mechanical Engineering

**Certifications:**

* API 510 Pressure Vessel Authorized Inspector
* API 570 Process Piping Authorized Inspector
* API 653 Storage Tank Authorized Inspector
* Modern Safety Management 2 – HSE and Process Safety
* ISO 9001 Quality Management System Internal Auditor
* TBOSIET and HUET

**Professional Memberships:**

* Engineers Australia (Mechanical), MIEAust CPEng, NER
* Board of Professional Engineers of Queensland, RPEQ
* American Society of Mechanical Engineers, MASME
* National Association of Corrosion Engineers, MNACE