

SERVICES PROFILE

2016 R7

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1. THE COMPANY

Terra Marique Risk Management Ltd. (TMRM Ltd.) is a health, safety, environment and security (HSES) company that has worked domestically and internationally for many years. TMRM Ltd.'s knowledge of HSES risk management, Safety Management Systems, investigation methodologies, emergency response protocols, and adult education assists private and public sector companies and organizations in achieving their productivity and safety goals.

Terra Marique, meaning 'By Land and Sea' in Latin, is representative of the Company's history. Terra Marique Risk Management Ltd.'s personnel have, for over two decades, provided quality, health, safety, environment and security (QHSES) and emergency response services to governments and industry.

While employed on multi-national work sites TMRM Ltd.'s personnel have developed an appreciation for peoples' different cultural, ethnic, and religious backgrounds. This, coupled with the ability to manage QHSES administration and operations with diverse workforces, gives us the capability to work collaboratively at all levels and effectively in almost any location.

A fundamental belief at TMRM Ltd. is that employers and supervisors have a responsibility to pass to the next generation the correct way to carry out work without undue risk to themselves, other persons, and the environment. TMRM Ltd. applies expertise gained through academic studies and field operations to mentor younger and less experienced personnel to minimize potential accidents, develop a competent workforce, and cultivate future leaders.

2. LEADERSHIP

After a decade in the Canadian fire service and several years thereafter working for a fire apparatus manufacturer in 1988, Alastair Campbell, TMRM Ltd.'s Managing Director, commenced working with an Emergency Response and Preventive Safety Services Company headquartered in Singapore. Over the next eighteen years he was involved in risk management activities and emergency response operations in the Americas, Australasia, Caspian Sea region, North and South East Asia, the Middle East, and West Africa. During that time he was also a guest speaker at conferences lecturing on health, safety and emergency response subjects.



In 2006 Alastair joined a leading offshore engineering, procurement, construction, and installation (EPCI) company as Marine Projects Health, Safety, Environment and Security (HSES) Manager at their location in Azerbaijan. Subsequent postings were to Indonesia and Singapore before returning to Canada in 2015.

In summary Alastair is equally at 'home', and effective, working on an industrial site or conducting meetings in a company boardroom.

Qualifications:

- Diploma in Work Health & Safety
- International Technical Certificate in Oil and Gas Operational Safety; National Examination Board in Occupational Safety and Health (NEBOSH)
- Certificate in Adult Education; Curriculum and Instruction; Southern Alberta Institute of Technology
- Construction Safety Officer; British Columbia; BCIT
- Company Security Officer – Marine ISPS Code
- Instructor (contract):
 - Vancouver Island University; Professional Development & Training – Occupational Health and Safety
 - Leavitt Machinery – Mobile Materials Handling Equipment
 - Environmental Operators Certification Program – Occupational Health and Safety
- Assessor - National Skills Recognition System (NSRS); Gov't of Singapore
- Auditor:
 - Quality, Health, Safety and Environment
 - International Ship & Port Facility Security (ISPS) Code
 - International Safety Management (ISM) Code
- Competencies for Hazardous Materials Technicians; NFPA Standard 472
- IMO Oil Pollution Preparedness, Response and Co-operations Levels 1 – 3

3. OUR SERVICES

Terra Marique Risk Management Ltd. (TMRM Ltd.) provides a range of health, safety, environment, and security (HSES) services for our clients, whether on land or at sea.

Private and public sector employers have financial, legal and moral responsibilities to prevent loss causing events. TMRM Ltd. assists our clients in identifying hazards and potential incidents, gives confidence that effective control measures are in place, and are well placed to help comply with occupational health and safety obligations. TMRM Ltd. also brings an unbiased and fresh perspective to clients' operations.

SERVICES:

a. INDUSTRIAL

- a. Accident and Incident Investigation
- b. Audits, Inspections and Cold Eye Reviews
- c. Emergency Response Planning and Technical Support
- d. Facilitation for HAZID, HAZOP, and Readiness Reviews
- e. HSES Management, Advisor and Officer Personnel Assignments
- f. Health, Safety, Environment and Security (HSES) Training
- g. Materials Handling Equipment Operator Training
- h. Safety Case Development and Revision
- i. Safety Management Systems

b. EMERGENCY RESPONSE

- a. Accident and Incident Investigation
- b. Occupational Health and Safety (OH&S) Programs
- c. Occupational Safety and Health Program Audits and Inspections
- d. Health, Safety, Environment and Security (HSES) Training

INDUSTRIAL

- i. Accident and Incident Investigation
- ii. Audits, Inspections and Cold Eye Reviews
- iii. Emergency Response Planning and Technical Support
- iv. Facilitation for HAZID, HAZOP, and Readiness Reviews
- v. HSES Management, Advisor and Officer Personnel Assignments
- vi. Health, Safety, Environment and Security (HSES) Training
- vii. Materials Handling Equipment Operator Training
- viii. Safety Case Development and Revision
- ix. Safety Management Systems



i. **ACCIDENT AND INCIDENT INVESTIGATIONS**

The term "accident" can be defined as an unplanned event that interrupts the completion of an activity, and that may or may not include injury, property damage, or environmental harm.

An "incident" usually refers to an unexpected event that did not cause injury or other loss this time but had the potential to. "Near miss" or "dangerous occurrence" are also terms for an event that could have caused harm but did not.

If accidents / incidents are not thoroughly investigated, or are investigated by inexperienced people, there is a high likelihood they will repeat themselves. ***Outcomes of a proper investigation are that causal factors are accurately identified, and corrective actions appropriately assigned and implemented.***

TMRM Ltd.'s personnel have investigated multiple fatality, property and equipment loss, environmental harm, and security accidents, as can be seen in the examples below. We are considered an independent resource, and have represented clients and their investigation teams at meetings with workers, union representatives, supervisors, senior management and regulatory authorities.



Damaged 10-Ton Winch after Base Plate Welds Failed Under Tension



Containment Boom Deployed after Burst Hydraulic Line Caused Oil Spill



Injured Worker Being Treated After Striking His Head during a Fall



690V Electrical Switch Panel After Flash Fire

If, unfortunately, an accident or incident has occurred and you need independent investigative support contact us at info@tprm.ca .

ii. **AUDITS, INSPECTIONS, and COLD EYE REVIEWS**

TMRM Ltd.'s services for have been utilized for audits, inspections, and Cold Eye Reviews of by clients in a variety of industries. The benefits have been solutions to identified issues, and confidence that health, safety, environmental and security stewardship has been given due diligence.

- **Audits:** The emphasis of Health, Safety, Environment and Security (HSES) audits is on improvement, aligned with business objectives. The prime objectives of Audits are to determine:-
 - Level of compliance to approved procedures by the functions being audited
 - Adequacy and effectiveness of Systems in meeting specified objectives, and providing the Auditee with improvement opportunities.

Companies and organisations having a mature attitude toward health and safety recognize the value of such audits and look forward to TMRM Ltd.'s evaluations.

- **Inspections:** The objective of inspections is to look at something carefully to learn more about it, to find problems, etc. ⁽¹⁾. TMRM Ltd. has performed inspections on behalf of clients' at manufacturers or suppliers locations to assure conformance to issued purchase orders, contractual specifications, or other established standards.

(1) Merriam Webster Online Dictionary

Examples of inspections completed by TMRM Ltd.'s personnel include:

- Fire and Life Saving Appliances commissioning and maintenance
 - Offshore Helideck Equipment
 - Ground and Marine Transport
 - Contractor Premises and Equipment
- **Cold Eye Reviews:** A Cold Eye Review (CER) is an independent assessment of a Facility's compliance.

While a Cold Eye Review's description may sound similar to Audits the two are not the same. Audits are done using internal or external resources, and view procedures or systems in a general sense. Cold Eye reviewers are deliberately selected from outside of a facility or specific process to bring a fresh perspective for identifying improvements.

Cold Eye Reviews completed by TMRM Ltd.'s personnel have uncovered non-compliances that are obvious to outsiders but have been overlooked by personnel at a location.

Contact us at info@tmrm.ca when you require audits, inspections and / or Cold Eye Review for your operations.

iii. **EMERGENCY RESPONSE PLANNING, MONITORING AND TECHNICAL SUPPORT**

Emergencies have the potential to quickly escalate from a minor event to a major catastrophe. Not having a tested Emergency Response Plan (ERP) in place sets the stage for responders to fail, often with tragic consequences.

TMRM Ltd. assists companies and organizations by developing and / or reviewing emergency response plans. TMRM Ltd. then tests responses against those documents using different test formats (e.g. Walkthroughs, workshops or orientation seminars; Drills; Tabletop exercises; Function exercises; and Full-scale exercises). This is done to gauge content accuracy, recommend additions / modifications to eliminate identified gaps, and address training deficiencies.

If acted upon these findings ensure a facility is well prepared to respond should an emergency occur.

Terra Marique Risk Management Ltd.'s (TMRM Ltd.'s) personnel have participated in a variety of emergency response operations in the Americas, Australasia, Caspian Sea region, North and South East Asia, the Middle East, and West Africa, both offshore and onshore.



HazMat Response to a Chemical Release on an Airbus 330 Aircraft



Man Over Board Rescue

Contact us at info@tprm.ca about measuring and advising on your emergency response capabilities.

iv. **FACILITATOR – HAZID, HAZOP and READINESS REVIEWS**

The role of a Facilitator is to help bring about an outcome by providing indirect or unobtrusive assistance, guidance, or supervision ⁽¹⁾. To accomplish this Facilitator must have the attributes required to keep a session on track, participants focused, and diffuse potential conflicts. It requires a person having a positive presence combined with confidence and tact.

(1) Merriam Webster Online Dictionary

What are HAZIDs, HAZOPs and Readiness Reviews? They are...

- Hazard Identification (HAZID) Study: An identification and assessment technique, for analysis of potential hazards and quantification of the risks associated with a planned project or work activity involving multiple tasks.
- Hazard Operability (HAZOP) Study: A formal and systematic procedure for evaluating a process. The study focuses on identification of potential operability problems that could degrade plant performance. HAZOP's utilize guide-words to stimulate thought about how deviations from normal operating conditions could introduce hazards or operability problems.
- Readiness Review: The process of ensuring that activities critical to the successful set-up of a project are checked and confirmed to be progressing as planned, and to verify the project is ready to move into next phases or final execution. It also provides documented validation that assets are ready for operation in a safe, sustainable and environmentally friendly manner. Also known as 'Operations Readiness'.

Terra Marique Risk Management Ltd. personnel's operations backgrounds, coupled with their inter-personal skills, have successfully facilitated many such activities over the years.

TMRM Ltd. welcomes the opportunity of ensuring your HAZID, HAZOP and Readiness Reviews are efficiently run and have productive outcomes. Contact us at info@tprm.ca.

v. **HEALTH, SAFETY, ENVIRONMENT and SECURITY (HSES) FIELD ASSIGNMENTS:**

Companies, particularly small and medium sized ones, often need Health, Safety, Environment and Security (HSES) personnel but do not have enough in-house resources to satisfy requirements.

Terra Marique Risk Management Ltd. (TMRM Ltd.) provides personnel that can fulfill such roles as on-site HSES Manager, Coordinator, Advisor or Officer, or Learning Delivery Specialist. Postings for our personnel can be rotational or in situ assignments depending on work duration, scope and location.

Competencies and deliverables include:

- Training / Instruction
- Work Permit Coordination
- HSES procedures writing
- Conducting HSES audits, inspections and Cold Eye Reviews
- Investigating accidents and incidents
- Facilitating HSES meetings
- Monitoring worksites
- Compiling HSES Statistics
- Conducting Risk Assessments
- Mentoring Behaviour Safety Management program participants
- Assessing competencies for individual areas of specialization

Contact us at info@tprm.ca with your Field Assignment requirements.

vi. **HEALTH, SAFETY, ENVIRONMENT and SECURITY (HSES) TRAINING**

Terra Marique Risk Management Ltd.'s (TMRM Ltd.'s) personnel have for many years conducted health, safety, environment and security (HSES) courses in Canada and abroad, and are well known for delivering high quality courses.

For our clients TMRM Ltd. can:

- Develop, review, and report on HSES course curriculums;
- Monitor and assess Instructional personnel
- Conduct listed courses:
 - ✓ Accident & Incident Investigation
 - ✓ Behavior Safety Management
 - ✓ Competency Assessment & Assurance
 - ✓ Confined Space Entry
 - ✓ Construction Safety Officer, British Columbia
 - ✓ Emergency Response (fire, hazmat, security, etc.)
 - ✓ Fall Prevention and Protection
 - ✓ Hazard Identification (HAZID) and Hazard Operability (HAZOP) Studies
 - ✓ Health, Safety and Environmental Management Systems (HSE-MS)
 - ✓ Offshore Helicopter Operations
 - Offshore Helicopter Landing Officer (HLO)
 - Offshore Helideck Assistant (HDA)
 - Offshore Helideck Emergency Response Team Member (HERTM)
 - Offshore Helideck Emergency Response Team Leader (HERTL)
 - ✓ Lock Out / Tag Out (Energy Isolation)
 - ✓ Management of Change
 - ✓ Maritime
 - International Safety Management (ISM) Code; Awareness
 - International Ship and Port Facility Security (ISPS) Code; Awareness
 - ✓ Permit To Work (also called 'Work Permit', 'Entry Permit', etc.)
 - ✓ Personal Protective Equipment (PPE)
 - ✓ Respiratory Protection
 - ✓ Subcontractor Management
 - ✓ Supervisor Safety Training
 - ✓ Task Hazard Assessment / Field Level Hazard Assessment
 - ✓ Training & Orientation for Young and New Workers
 - ✓ Workplace Hazardous Materials Information System (WHMIS)



Night Fire Fighting Training

Contact us at info@tmrm.ca for information on specific courses.

vii. **MATERIALS HANDLING EQUIPMENT OPERATOR TRAINING**

Did you know that Canadian Occupational Health & Safety regulations, and CSA and ANSI standards require employers to ensure their equipment operators receive training prior to going to work and continuous training to maintain a safe work environment?

Terra Marique Risk Management Ltd. is pleased to have been appointed the Vancouver Island and Sunshine Coast provider for Leavitt Machinery's Operations Training for:

- ✓ Forklift: Counterbalanced / Vertical Mast and Telehandler / Rough Terrain
- ✓ Aerial Work Platform / Scissor Lift
- ✓ Skid Steer Loader
- ✓ In-House Train the Trainer



WHY CHOOSE LEAVITT TRAINING?

Leavitt Training has a proven safety track record with over 15 years of experience in delivering industry leading training solutions. They are proud to have trained over 70,000 equipment operators, 3,500 in-house instructors and have worked with over 5,000 customers in Canada and the USA.

TMRM Ltd. and Leavitt Training provide customized mobile equipment training solutions that are specific to your application.

- Establish a safety culture & protect your people
- Get quality control through Leavitt Training's comprehensive course curriculum
- Save time & increase operational efficiency

TRAINING APPROACH AND METHODOLOGY



Leavitt's training methodology is designed with an adult learner in mind. It is also suitable for young and new persons needing to build their work qualifications. Course curriculum consists of classroom theory, a written test and practical assessment.

Classroom Theory With Written Test:

End users are introduced to the safety protocols and procedures necessary to protect oneself and others from harm in a workplace setting. Key learning objectives are introduced through multimedia and visual presentations, interactive discussion and are reinforced through workbooks and supplementary handouts.

Practical Component:

End users are educated in the importance of conducting job safety analysis' and pre-operational inspections, with additional practice time available for new users and novice operators.

TMRM Ltd. and Leavitt understand that your facility's needs might differ so we offer a variety of training solutions.

Open Enrollment Safety Training Courses:

Enroll yourself or your employees in any of a number of regularly scheduled open enrollment forklift, aerial work platform, and scissor lift courses held at Leavitt's branch in Nanaimo.

Private On-Site Training Courses:

We can schedule a private onsite training course specific to your facility requirements, operator experience levels, and equipment used at your location. These courses can be held anywhere on Vancouver Island and the Sunshine Coast.

In House Instruction Program:

Does your facility need an in-house trainer? Leavitt's in-house instructor program gives aspiring trainers access to comprehensive and industry leading training programs.

For more information contact us at info@tprm.ca; Ph: 250 616-1457, or Leavitt Machinery's Coquitlam Training Center at **Ph:** (604) 527-7166; **Fx:** (604) 527-7171; **Toll Free:** 1-866-291-3322; www.leavittmachinery.com/training/overview.

viii. **SAFETY CASE DEVELOPMENT & REVISION**

A Safety Case is a structured argument, supported by evidence, intended to justify that a system is acceptably safe for a specific application in a specific operating environment. Safety cases are often required as part of a regulatory process, a certificate of safety being granted only when the regulator is satisfied by the argument presented in a safety case. ⁽¹⁾

Safety case: Wikipedia; 24 February 2015

The United Kingdom's implementation of Safety Case regulations followed on the 1988 'Piper Alpha' offshore oil platform disaster, in which 167 people died. A public inquiry into the tragedy resulted in a recommendation in the Cullen report: that the operator or owner of every offshore installation should be required to prepare a Safety Case and submit it to the British Health, Safety Executive for acceptance..

In a broad sense Safety Cases consist of:

- Facility Description
- Risk Assessment
- Safety Management System
- Suite of Studies
- Implementation
- Regulators (Submission for Approval)

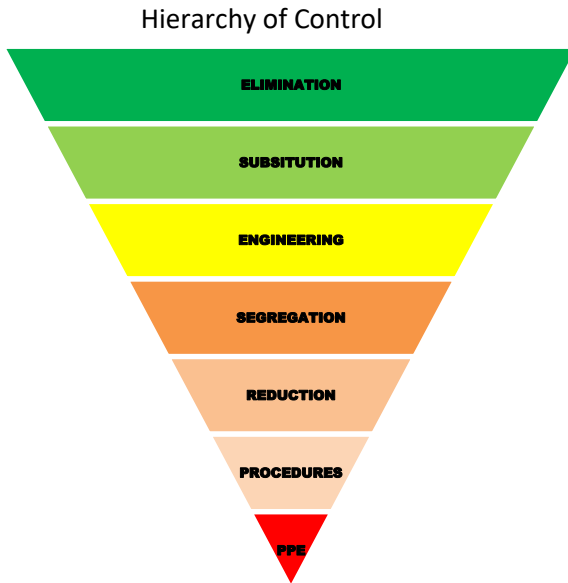
Over time the requirement for Safety Cases to be written and approved by Regulators (e.g. Authorities Having Jurisdiction) has been adopted in other countries. Additionally, some companies, such as the Oil majors, require contractors to produce Safety Cases for virtually every country they will be operating in.

Terra Marique Risk Management Ltd.'s (TMRM Ltd.'s) personnel have been involved in developing Safety Cases for a variety of facilities.

Contact us at info@tmrm.ca when a Safety Case has to be developed and implemented for your operations.

ix. **SAFETY MANAGEMENT SYSTEMS DEVELOPMENT & REVISION**

What is a Safety Management System (SMS)? It is a system that includes organizational structure, planning activities, responsibilities, procedures, processes and resources for developing, implementing, and maintaining the Health, Safety, and Environmental (HSE) Process.



The objectives of Safety Management Systems (SMS's) are to eliminate loss causing events, ensure external and internal customer satisfaction, comply with regulatory requirements, and maximize productivity through safe operations. They accomplish this by managing control measures in a comprehensive and unified manner. This is exemplified by the Hierarchy of Control. It is a system used in industry to minimize or eliminate exposure to hazards. It is a widely accepted system concept taught to managers in industry, to be promoted as standard practice in the workplace.

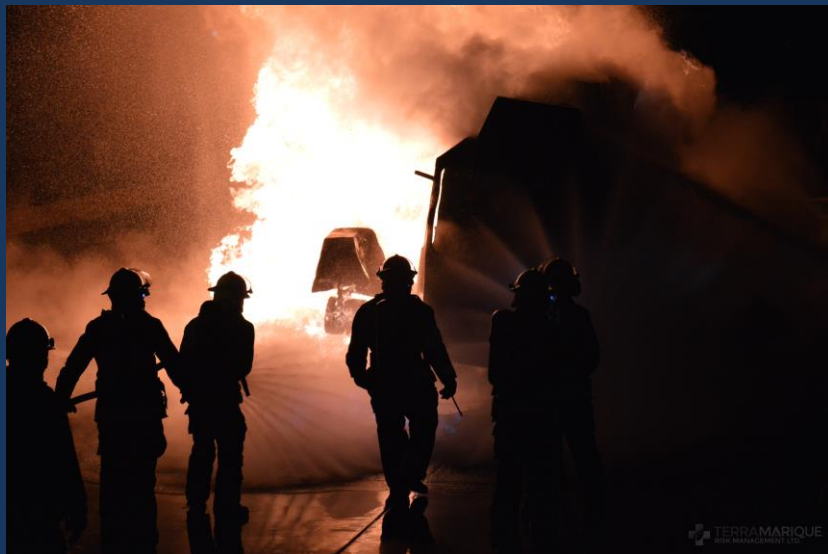
No particular management system model is correct or best and compliance with laws and regulations usually do not require a particular standard or format to be used. However, utilizing proven standards structures assists companies by providing a solid foundation for their Safety Management System. It should be noted that many companies have now expanded their management systems to include *Security*, and these are commonly known as Health, Safety, and Environmental and Security (HSES) Management Systems (HSES MS).

Too often companies create health and safety procedures that are unwieldy, and so prescriptive that it is almost impossible to comply with all them. Terra Marique Risk Management Ltd. (TMRM Ltd.) has developed and revised many Safety Management Systems, adheres to the adage “Refine...don’t proliferate”, and advises our clients on the best way forward.

TMRM Ltd. delivers management systems that are truly functional and regulatory compliant. Contact us at info@tprm.ca.

EMERGENCY RESPONSE SERVICES

- i. Accident and Incident Investigation
- ii. Occupational Health and Safety (OH&S) Programs
- iii. Occupational Health and Safety (OH&S) Program Audits and Inspections
- iv. Health, Safety, Environment and Security (HSES) Training



i. **ACCIDENT AND INCIDENT INVESTIGATIONS - EMERGENCY SERVICES**

The term "accident" can be defined as an unplanned event that interrupts the completion of an activity, and that may or may not include injury or property damage, or environmental harm.

An "incident" usually refers to an unexpected event that did not cause injury or other loss this time but had the potential to. "Near miss" or "dangerous occurrences" are also terms for an event that could have caused harm under slightly different circumstances but did not.

Emergency Services, such as Fire Departments, are tasked with responding to fires, hazardous materials releases, motor vehicle accidents, and other high risk activities. For the most part emergency responders are well trained to deal with such events. However reporting, recording and investigating of injuries to emergency personnel, damage to responding agencies equipment and vehicles, and / or hazardous materials releases occurring during an emergency response sometimes do not get enough attention.



Proper investigations can be impeded by a number of factors. Some factors, but not all, are:

- Apathy. People don't care to learn why a loss-causing event took place. *"You got to expect loss from time to time. It's the nature of the business."*
- Lack of awareness regarding the value of investigations (e.g. identifying trends or patterns that could lead to a serious accident if causal factors are not eliminated)
- Lack of competent investigators...This is more prevalent in volunteer emergency services, due to insufficient resources being available.

TMRM Ltd.'s personnel have investigated multiple fatalities, property and equipment losses in the millions of dollars, environmental harm, and security events. We are seen as an independent resource, and are well suited to represent clients and their investigation teams at meetings with members, union representatives, supervisors, senior management and regulatory authorities.

TMRM Ltd.'s services can demonstrate investigation transparency, and derive appropriate corrective actions. Contact us at info@tmrm.ca for accident / incident guidance and support.

ii. **OCCUPATIONAL HEALTH AND SAFETY (OH&S) PROGRAMS DEVELOPMENT and REVISION**

What is an Occupational Health and Safety (OH&S) Program? It is a system that includes organizational structure, planning activities, responsibilities, procedures, processes and resources for developing, implementing, and maintaining an organization's Health, Safety, and Environmental (HSE) process.

Fire and Rescue Departments are obligated to have an Occupational Health and Safety (OH&S) Program in place, and audited, as directed by:

- WorkSafe BC Occupational Health and Safety Regulations
- British Columbia Office of the Fire Commissioner
- NFPA 1500 - Standard on Fire Department Occupational Safety and Health Program
- NFPA 1720 - Standard for the Organization and Deployment of Fire Suppression Operations, Emergency Medical Operations, and Special Operations to the Public by Volunteer Fire Departments

It is recognized that good management systems are all fundamentally similar. However, compliance with laws and regulations usually do not require a particular standard or format to be used, but utilizing a proven standard assists by providing a solid foundation for an OH&S Program. It should be noted that many organizations have now expanded their programs to include 'Security'.

Terra Marique Risk Management Ltd. (TMRM Ltd.) has developed and revised Occupational Health and Safety (OH&S) Programs for a variety of clients, and can advise on the best way forward for your Department. Too often organizations create volumes of prescriptive occupational health and safety procedures that are cumbersome and almost impossible to fully comply with. TMRM Ltd. adheres to the adage "Refine. Don't proliferate!" We deliver OH&SH programs that are truly functional and 'user friendly'.

Contact us at info@tmrm.ca for your Occupational Health and Safety (OH&S) Program development and on-going maintenance.

iii. **OCCUPATIONAL HEALTH AND SAFETY (OH&S) PROGRAM AUDITS and INSPECTIONS**

Fire and Rescue Departments are obligated to have an Occupational Safety and Health Program (OS&H) in place and audited, as referenced by:

- WorkSafe BC Occupational Safety & Health Regulations
- British Columbia's Fire Department Inspection and Audit Checklist
Resulting to the Office of the Fire Commissioner's response to the Coroner's Judgement of Inquiry recommendations regarding the death of Fire Fighter Chad Schapansky; May 2008
- NFPA Standard 1500 - Standard on Fire Department Occupational Safety and Health Program
- NFPA Standard 1720 - Standard for the Organization and Deployment of Fire Suppression Operations, Emergency Medical Operations, and Special Operations to the Public by Volunteer Fire Departments

Occupational Health and Safety audits and inspections ***are to measure existing levels of compliance and identify improvement opportunities***; and have to be completed within specified time periods. Additionally, they should ***be done by auditors independent of the Department being assessed.***¹

(1) NFPA 1500; Section A.4.3.3

(2) NFPA 1720; Section A.5.1.1

TMRM Ltd.'s personnel are accredited in auditing Occupational Safety & Health programs, and ***have developed audit protocols specifically for Fire and Rescue Departments OS&H programs, and tailored to meet WorkSafe BC and NFPA requirements.***

Utilizing TMRM Ltd.'s auditing protocol and expertise provides an impartial assessment of your operations, pinpoints improvement subjects, and delivers solutions to identified issues.

Contact us at info@tprm.ca for an audit of your department so it remains compliant with regulations and standards.

iv. **HEALTH, SAFETY, ENVIRONMENT and SECURITY (HSES) TRAINING**

Terra Marique Risk Management Ltd.'s (TMRM Ltd.'s) personnel have for many years conducted health, safety, environment and security (HSES) courses in Canada and abroad, and are known for delivering high quality courses.

For our clients TMRM Ltd. can:

- Develop, review, and report on course curriculums;
- Monitor and assess knowledge and skills of clients' Instructional personnel
- Conduct courses:
 - ✓ Accident & Incident Investigation
 - ✓ Behavior Safety Management
 - ✓ Competency Assessment & Assurance
 - ✓ Injury Management / Return To Work (RTW) System
 - ✓ Joint Occupational Health and Safety Committee
 - ✓ Materials Handling Equipment Operator Safety:
 - Forklift: Counterbalanced / Vertical Mast and Telehandler / Rough Terrain
 - Aerial Work Platform and Scissor Lift
 - In-House Train the Trainer
 - ✓ Personal Protective Equipment (PPE)
 - ✓ Respiratory Protection
 - ✓ Occupational Health and Safety (OH&S) Programs
 - ✓ Task Hazard Assessment
 - ✓ Training & Orientation for Young and New Workers
 - ✓ Workplace Hazardous Materials Information System



Instructing Fire Team
Leader Training

Contact us at info@tprm.ca for information on specific courses.

4. PROFESSIONAL MEMBERSHIPS

Canadian Society of Safety Engineers (CSSE)	Canada
Fire Chiefs' Association of British Columbia (FCAOBC)	Canada
Volunteer Firefighters Association of British Columbia (VFABC)	Canada
First Nations Emergency Services Society (FNESS)	Canada
National Fire Protection Association (NFPA)	USA
Institute of Occupational Safety & Health (IOSH)	United Kingdom

5. VOLUNTEER WORK

Terra Marique Risk Management Ltd.'s management is committed to giving back to the communities and industries it serves. Recent activities include:

- Royal Canadian Marine Search & Rescue
 - Station 27 (Nanaimo, B.C.); Crew Member
- Batam International Charity (BIC) Executive
 - Emergency Disaster Relief; Section Lead
- Offshore Petroleum Industry Training Organization
 - Asia Pacific Employers Forum; Deputy Chair Person

Canada
2016

Indonesia
2013-2015

SE Asia
2013-2014

6. TESTIMONIALS

"...I have been a fire marshal on FPS for 6 years. In China we have a saying, "Walk with three persons, one could be a teacher". You are the best safety trainer I have met....I get a lot of knowledge and fresh ideas, thank you very much."

Yang You Qin; Nanhai Tiao Zhan
Amoco Orient Petroleum Company; 2001

"Alastair is your consummate HSE professional, culturally sensitive, excellent communicator both orally and written, knowledgeable and totally reliable."

Alex C. Bowman; Panyu Field Superintendent
Devon Energy China / Panyu Operating Company; 2006

"I have had the opportunity during my 6-year assignment in Singapore to meet and at times work with Alastair.

During my timeframe in Singapore, I had to complete two major incident investigations involving loss of life, or significant personnel injury. In both of these incidents, I was able to utilize Alastair as a "sounding board" to informally review the methods used by the investigation team, to test the thoroughness of our process and to balance our recommendations against cultural sensitivities. Alastair in his work as a senior risk management specialist and senior incident reviewer was able to offer his experience, his analysis and his diversity of cultural experience to provide in-depth critique and recommendations.

Alastair's work in several geographical regions has allowed him to gain a tremendous insight into different cultures, and the effective ways of coaching and supporting multiple nationalities on a work site..."

Douglas R. Holroyd; Executive Vice President
Al-Jubail Petrochemical Company (Kemya), Saudi Arabia; 2006

"I first had the pleasure of meeting Alastair... in 1989 as an HSES / Emergency Response Trainer and Auditor for our Company. I found him to very competent and knowledgeable in all aspects of HSE and emergency response. His method of teaching and training was unsurpassed as I found him to be a very good communicator. It was also a pleasure to have him audit our facilities.

Since Alastair joined McDermott in December of 2006 I have had the opportunity to work very closely with him in his role as HSES Manager...He has been invaluable in managing and heading our HSES Team by giving them purpose and direction. He understands and manages all aspects of working in a diverse and demanding culture in a very professional way. In our organization this is a particularly strong value to bring to any role."

A. "Tony" Brunet; Marine Barge Operations Manager
McDermott Asia Pacific Pte. Ltd.; 2011

“...He has a very strong background in competency based training and was instrumental in assisting me to elevate the Asia Pacific (APAC) training delivery from mediocre to first class.

On a posting to our Marine Base in the Caspian, he demonstrated his ability to lead a group of personnel ... in receiving the 2007 McDermott Annual HSES Presidents Award for three years of operation without a recordable injury.

In 2008 Alastair returned to the APAC region to undertake the role of Marine Operations HSES Manager. His knowledge of marine environment, auditing, International Safety Management and International Security requirements soon had that part of our operations outperforming their previous years.

Well-liked and respected by employees, peers, clients and Senior Management, Alastair made himself available to assist and guide our marine operations toward self-compliance.

In late September 2014 the QHSES Training had started to deteriorate so Alastair accepted a transfer across to the role of Regional QHSES Training Manager. Again he quickly grasped where the issues were and immediately began reorganizing and resourcing the training delivery group.

He is a very well organized and structured individual who can think laterally and who makes himself available for many at all times.”

Frank T Keough; Senior Director QHSES
McDermott Asia Pacific Pte. Ltd.; 2015

“I worked with Alastair from April 2012 through December 2013 at McDermott, Inc. in Batam, Indonesia and Singapore. At that time Alastair was the Marine HSES Manager and I was the Marine Human Resources Manager for the Asia Pacific region.

During that time I ...found him to be supremely knowledgeable and one of the most detailed and thorough HSES professionals that I have ever worked with. When talking with him, I could easily tell how passionate he is about his work. He is dedicated, self-directed, and enthusiastic in all that he does, and always embodied the vision, mission and values of McDermott.

Alastair’s interpersonal skills extended to all levels of the organization, and he was well respected by his management, peers and subordinates. That speaks volumes for his character.

It was always a pleasure to work with Alastair and I would welcome the opportunity to do it again...”

Marcus J. Lynn, Sr. Manager Talent Management
McDermott International Inc.; 2016

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