

Singapore Safety Case Seminar

18th August, 2016

**Venue: Level 4 – Peony Junior 4411-2
Marina Bay Sands Hotel, Singapore**

PSRG Asia Pacific Pte. Ltd. (www.psrq.com) together with the Institution of Chemical Engineers (IChemE) is pleased to announce that we will hold our Safety Case Seminar in Singapore on 18th August 2016 at the Marina Bay Sands Hotel from 9:00AM to 5:00PM. You are cordially invited to attend. There is no fee to attend this event and a complimentary buffet lunch will be provided.

The main purpose of this event is to learn and exchange industry best practices and lessons learned with industry colleagues, so if you work with an Owner/Operator company you are welcome to attend. Doors will open at 8.30AM for registration.

Event Speakers:

- 1. Trish Kerin – Director; Institution of Chemical Engineers (IChemE)**
“Developing and implementing a safety case for business benefit”
- 2. Lawrence Warren – Technical Manager; PSRG Asia Pacific Pte. Ltd.**
“Performing QRAs under the new Singapore QRA Guidelines”
- 3. Parthi Naidu – Director & Regional Head, Assets & HSSE; BP Singapore Pte. Ltd.**
“Process Safety at Non Operated Joint Venture Facilities”
- 4. Paul Haydock – Risk Consultant; CGE Risk Management Solutions**
“Using Bowtie diagrams to assist with ALARP and LOPA risk assessments”
- 5. Dilip Patel – Engineering Manager; SLNG**
“SLNG Gas Safety Case Journey”
- 6. Dr. Sonny Sachdeva – Principal Engineer; PSRG Asia Pacific Pte. Ltd.**
“Human Factors in Safety Case”

If you and/or others in your company would like to attend, please RSVP with names and contact information before 18th August, 2016 via email at psrg-asiapacific@psrg.com or contact Ms. Avanna Tan at atan@icheme.org (Office: +65 6471 5043; Mobile: +65 9170 2568).

We look forward to seeing you there!

Sincerely,
PSRG ASIA PACIFIC PTE. LTD.



Ms. Annie Nguyen
Director
nnguyen@psrg.com

Singapore Safety Case Seminar Tentative Agenda

18 August, 2016

Venue: Level 4 – Peony Junior 4411-2
Marina Bay Sands Hotel, Singapore

Presenter	Topic	Time
Coffee and Registration		9:00 - 9:30 am
PSRG/ICHEME	Introduction & Welcome	9:30 -10:00 am
PSRG	Safety Moment	10:00 – 10:15 am
Audience Introductions and Expectations		10:15-10:45 am
Trish Kerin – Director ICHEME	Developing and implementing a safety case for business benefit	10:45-11:15 am
Break		11:15 -11:30 am
Lawrence Warren - Technical Manger PSRG Asia Pacific Pte. Ltd.	Performing QRAs Under the new QRA Guidelines	11:30-12:00 pm
Panel Session		12:00-12:30 pm
Lunch		12:30 -1:30 pm
Parthi Naidu – Director & Regional Head, Assets & HSSE BP Singapore Pte. Ltd.	Process Safety at Non Operated Joint Venture Facilities	2:00-2:30 pm
Paul Haydock – Risk Consultant CGE Risk Management Solutions	Using Bowtie diagrams to assist with ALARP and LOPA risk assessments	2:30-3:00 pm
Break		3:00-3:20 pm
Dilip Patel – Engineering Manager SLNG	SLNG Gas Safety Case Journey	3:20-3:50 pm
Dr. Sonny Sachdeva – Principal Engineer PSRG Asia Pacific Pte. Ltd.	Human Factors in Safety Case	3:50-4:20 pm
Panel Session		4:20-4:50 pm
Close out (PSRG)		4:50-5:00 pm

Speaker Biography



1. Trish Kerin – Director of IChemE

After graduating with honours in mechanical engineering, Trish spent several years working in project management, operational and safety roles for the oil, gas and chemical industries.

Trish has represented industry on many government committees related to process safety, and sits on the board of the Australian National Offshore Petroleum Safety and Environmental Management Authority (NOPSEMA) and the Mary Kay O'Connor Process Safety Center steering committee.

Trish is a Chartered Engineer, registered Professional Process Safety Engineer, Fellow of IChemE and Fellow of Engineers Australia. Trish holds a diploma a OHS and is a graduate of the Australian Institute of Company Directors (GAICD).



2. Lawrence Warren – Technical Manager of PSRG Asia Pacific Pte. Ltd.

Mr. Warren has more than 25 years of experience in the chemical, petroleum, manufacturing, aerospace, and nuclear industries. He is an expert in Quantitative Risk Assessment (QRA), process hazard analysis (PHA), process safety management (PSM), and incident investigation. He has managed and performed hundreds of QRAs, PHAs, risk analyses, and incident investigations for a wide variety of batch and continuous processes which manufacture, use, separate, store, or destroy hazardous materials. He has taught training courses in hazard recognition QRA, PHA, PSM, and incident investigation analysis techniques to hundreds of engineering, operating, and maintenance professionals. Mr. Warren received his engineering degree from the University of Illinois at Chicago. Before joining PSRG in 2011, Mr. Warren worked for several petroleum and chemical companies such as BP, Henkel, BASF, and Enterprise Products. He was also the Lead Safety Engineer for projects at Fluor Corporation in the US and at Taknia Engineering in Libya.



3. Parthi Naidu – Director & Regional Head, Assets & HSSE of BP Singapore Pte. Ltd.

Mr. Parthi Naidu was a Singapore basketballer turned Oil & Gas professional. He has 25 years of experience at BP and Chevron in construction projects, terminal operation and HSSE and has been based in Houston, Angola, Malaysia and Singapore. Mr. Naidu is a Certified Safety Professional (CSP), Project Management Professional (PMP), and Workplace Safety & Health Officer (WSHO). He holds a MSc. in Industrial Engineering from the National University of Singapore (NUS) and MBA from the University of Leicester. Also, he has been adjunct lecturer for 3rd year Chemical Engineering at NUS. Mr. Naidu is third generation Singaporean, happily married with an adult son with special needs and an elderly mother. He is looking forward to the learning and sharing journey.



4. Paul Haydock – Risk Consultant of CGE Risk Management Solutions

With post-graduate study in Risk Management, Paul Haydock has worked as a consultant within risk analysis teams, and promoted barrier-based risk management systems and software. He has trained users in critical thinking in risk modelling, and implemented bow-tie risk analysis systems in various major hazards industries. These have included oil and gas, processing, mining, aviation and corporate or non-HSE risks. Paul has conducted auditing on management systems, and he has promoted holistic barrier management, including combining audits and incidents with risk models.



5. Dilip Patel – Engineering Manager of SLNG

He joined Singapore LNG Corporation as their Engineering Manager in March 2010 to manage all engineering aspects for their projects during EPC phase. He has been responsible for managing the engineering and procurement of equipment and materials for the recently completed LNG terminal and Phase 3 expansion at Jurong Island in Singapore.

Singapore LNG Terminal has recently won the ASEAN Outstanding Engineering Achievement Awards 2014, IES Prestigious Engineering Achievement Award for 2014 and the I. Chem. E. (2013, Singapore) award for the development of world class safety case and process safety management system for the terminal. He played a significant role in achieving these prestigious awards by ensuring that the LNG Terminal is provided with the very best engineering and process safety systems.

Prior to joining Singapore LNG, he worked for Dragon LNG (BG), M W Kellogg (KBR), Mobil Oil, The Oil and Pipeline Agency (MOD UK) and British Gas.

He holds a First Class with Distinction Degree in Mechanical Engineering from Sardar Patel University in India and is a registered Chartered Engineer in the UK and India.



6. Dr. Sonny Sachdeva – Principal Engineer of PSRG Asia Pacific Pte. Ltd.

Dr. Sonny Sachdeva of PSRG Asia Pacific Pte. Ltd. received her Ph.D. from Indian Institute of Technology Kanpur in Chemical Engineering and has over seven (7) years of experience as a Research Scientist and Lecturer in environmental and process safety. She worked with the Mary Kay O'Connor Process Safety Center and Ocean Energy Safety Institute (OESI) for over 2½ years and worked on multiple projects related to process and offshore safety. She has facilitated numerous PHA studies and participated in Process Safety Management Audits with PSRG. She heads the Training Department of PSRG and has conducted multiple Training Workshops on Process Safety topics, such as Management of Change, Bow-tie Analysis, PHA facilitation and Compliance Auditing. She worked on multiple projects with government agencies such as the National Institute of Occupational Safety & Health (NIOSH), for developing guidelines for emergency responders, the Bureau of Safety and Environmental Enforcement (BSEE), on conducting forums on shallow water blowouts, Safety and Environmental Management Systems (SEMS), human factors, data reliability, risk management and Ocean Energy Safety Research Roadmap for the 21st century with OESI and the National Science Foundation (NSF) for developing fire retardant materials. She has published over 15 journal articles including four (4) review papers and one book chapter.