



CCPS Asia Pacific Regional Technical Steering Committee Meeting

The Center for Chemical Process Safety (CCPS) held its Asia Pacific Regional Technical Steering Committee (TSC) Meeting at Singapore, on Tuesday, 2 October 2018 at Carlton Hotel, Singapore.

At such TSC meetings, CCPS pursues the following objectives to support its members in the best way:

- To share the knowledge and experience among CCPS member companies
- To provide updates on CCPS activities in the region and worldwide
- To collect inputs and feedback from member companies on future course of action in Asia Pacific region
- To trigger new Process Safety Management (PSM) initiatives in the Asia Pacific region
- To collect inputs on future CCPS meetings and conferences, conduct of CCPS public training programmes and workshops to be held in the region



The meeting was sponsored by CCPS member company, Petrochemical Corporation of Singapore (Private) Limited, PCS, and the Singapore Chemical Industry Council Limited (SCIC). This collaboration between SCIC and CCPS was one of the basis points under the Memorandum of Understanding (MoU) signed between SCIC and CCPS on 1 July 2017.

The high level MoU established a strategic collaboration between SCIC and CCPS, among the objectives:

- Technology transfer and sharing through Short Courses, Certificate and Train-the-Trainers Programme
- Joint services on short courses, hands-on training, incident investigation, Process Safety tools development, etc
- Joint event hosting and assistance for scientific forums, conferences, workshops, etc
- Joint publicity and marketing through news releases, advertising, websites, etc
- Exchange of information, including scientific and scholarly publications, reference materials, etc



The TSC meeting was facilitated by CCPS Executive Director, Mr Shakeel Kadri, with the opening remarks by Er Lucas Ng HK, General Manager of Plant, PCS. Lucas noted great process safety performance can be achieved through many organisations working together to advance process safety around the world, with CCPS as one such unique organisation that brings together manufacturers, government agencies, consultants, academia and insurers to lead the way in improving process safety. He shared that PCS has engaged CCPS in conducting in-house custom training for their core staff, Process Safety Boot Camp, annually, for the past five years, and are now working with CCPS for a custom refresher course, on the 20 elements of RBPS, and recent case studies and lessons learnt. Further, he enthused that he is an advocate of open sharing of programmes, practices, and incidents as he feels that in learning from an internal incident, we can only see from a single perspective, whereas if that incident is shared and discussed, there could be alternative views or measures that were not initially apparent from within.



The inaugural address for this meeting was by Mr Terence Koh, Executive Director, SCIC. Terence was more than happy to see the response to the meeting, exceeding initial estimates, which further underlines the importance placed on process safety. He saw this as an opportunity to share and learn from each other how we can further secure the safety of our processes as well as safety and health of our workforce. He also spoke on areas where he sees potential collaboration with CCPS in levelling up, especially on the fundamentals of process safety management.



Incidentally, a separate MoU was signed between SCIC and CCPS on 1 October 2018, to jointly organise the “5th CCPS Global Summit on Process Safety” to be held in Singapore on 22 and 23 October 2019.

The TSC meeting focused on lessons learnt from recent past incidents related to Process Safety. Speakers from leading companies from Asia Pacific region shared their experiences and views.

- Ms Sulo Belawan, General Manager, Process Safety, Petronas, presented “Adapting and Applying Process Safety Management in Fuel/NGV Retail Station”
- Mr Bala Raman, Regional Process Safety Manager-Asia Pacific Ecolab Ltd., shared “Our Process Safety Metrics and the learning journey”
- Mr Haris Farooqi, Asia Global Operations Director, Air Products Singapore, shared their experience on “O₂ related accidents/incidents in gas industry”
- Ms Annie Nguyen, Director, PSRG Asia Pacific Pte. Ltd., shared their information researched on “Global Process Safety Regulation with Incidents and Lesson Learned (US, UK, China, India and Singapore)”

Post-lunch session started with a facilitated workshop by Mr Palaniappan Chidambaram, Principal Operations Risk Management Practice, DuPont Sustainable Solutions, with a short interactive session on “Perspective on Operational Risk Management and dive into specific of certain aspects”. This was then followed by Mr Sudhakar Kabirdoss, Global Process Safety Senior Engineer, Micron Technology Inc., on “Big Data Analytics in Process Safety Management”.



The final session was shared by Er Bernard Leong LW, HSE Manager, PCS, on “Six Senses for Process Safety”.

With the meeting coming to a close at the end of a warm exchange and informative day, a thank you note and closing were jointly done by Er. Lucas Ng HK of PCS and Mr. Shakeel Kadri of CCPS.

The meeting was very well attended by over 65 delegates from over eight countries of the Asia Pacific Region. It was a diverse group of industry delegates participating including Berkshire Hathaway Specialty Insurance, IRESC, JXTG Nippon Oil & Energy, Mitsubishi Chemical, Mitsui Chemicals, Nghi Son Refinery & Petrochemical, PTT Energy, and many others too long to mention. There were an interesting mix of Chemical, Petrochemical, Energy, Insurance and Consultant companies.

The feedback from attendees was positive and encouraging to have such meetings in Singapore on a frequent basis. There were ample networking opportunities during coffee breaks and lunch.



Photographs of the meeting can be viewed at <https://scicccps.shutterfly.com> while event information can be accessed at <https://www.aiiche.org/ccps/resources/conferences/events/ccps-tsc-meeting/2018-10-02>