ASIA ICS CYBER SECURITY CONFERENCE 2017

	Day 1 (27 March 2017)	Day 2 (28 March 2017)
8:30	**Registration & Coffee**	**Registration & Coffee**
9:00	**Opening Speech**	**Opening Speech**
9:20	**Development Through ICS' Changing Landscape.** The ICS landscape has changed and it is no longer spared from cyber threats. This session is to promote collective effort and responsibility to strengthen ICS cyber security. **(Speaker: Mr. Lim Thian Chin - Cyber Security Agency of Singapore)**	**The "I"s and "O"s.** This session, targeted at C-Suite management, will point out the needed skillsets IT and OT as 2 distinct within the company must bring together, to properly address ICS cybersecurity in a holistic way. The panel will highlight these differences and overlapping and the important role of top management focus. **(Moderator: Mr. Manuel Diez - TÜV Rheinland; Panellists Mr. Ajit Nambiar - SIemens, Mr. Ochoa - SUTD)**
9:50	**It's the C-Word**. Addressing C-Suite management, this panel discussion distils the key elements of cyber security into non-technical bite-sized bits. This comes at a critical time as attacks on cyber installations occur with increasing frequencies and sophistication. The ramifications and dire consequences from such attacks on critical installations warrant due recognition given to it by C-suite management. **(Moderator: Mr. Dewan Chowdhury; Panelists: Mr. Charles Lim, Mr. Tkachenko)**	**The Ukraine Experience Part 2 -** A look at Ukraine's contemporary experience in counteracting threats of the cyberspace origin: a technical study. **(Speaker: Mr. Oleksii Tkachenko - Cyber Security Department, Security Service of Ukraine)**
10:30	**Morning Tea Break and Networking**	**Morning Tea Break and Networking**
11:00	**The Ukraine Experience Part 1-** A look at Ukraine's contemporary experience in counteracting threats of the cyberspace origin: a regulatory perspective. **(Speaker: Mr. Sergii Shutenko - Director General, International Security Department, Ministry of Foreign Affairs, Government of Ukraine)**	**How Do I Know?** As cyber attackers grow increasing stealthy, how would you know if your system is under attack? This session explores functional safety and the various security options to protect the system. **(Speaker: Mr Heinz Gall - TÜV Rheinland)**

11:30	**Cyber Security Improvement Considerations for Industrial Control Systems.** A look at how the industry should improve from regulatory, process and technology standpoints. **(Speaker: Mr. Charles Lim - Frost & Sullivan)**	**The Morning After.** What is the appropriate response after an attack? This session explores the various policies, procedures and best practices that should be in place from a legal, financial and PR point of view. **(Speaker: Mr. Lim Kian Kim - Dodwell & Co / Singapore Cloud Forum)**
12:00	**The Power of Converged Security** - The future of security lies with the convergence of security solutions to create a unified and impenetrable security web. Having Physical Security, IT Security and OT Security merged to form an integrated security network, it provides full visibility, extensive operational integration and enhanced threat intelligence. At this session, the presenter will share how a next-generation security strategy provides holistic protection, defence and resilience in this advanced yet vulnerable landscape. **(Speaker: Mr. Foo Siang-tse - Quann)**	**Manufactured Security:** A closer look at cyber security in OT for manufacturers. **(Speaker: Mr Heinz Gall - TÜV Rheinland)**
12:30	**LUNCH**	**LUNCH**
1:30	**Physical security, authentication and authorization measures to protect SCADA** Cyber defense on ICS is critical, however physical security and IAM methods are important preconditions. This workshop will review the most popular ICS defense measures which may protect the system from both internal and external attacks. **(Speaker: Mr. Daniel Ehrenreich - Secure Communications and Control Experts)**	**Top 10 Cyber Attacks and Defences on ICS / SCADA Systems.** Defending ICS requires a different set of actions than defending a typical IT infrastructure. The presentation will review the typical risks and points on the most popular attack vectors which must be considered when defining and deploying cyber defense for ICS. **(Speaker: Mr. Daniel Ehrenreich - Secure Communications and Control Experts)**
2:30	**Hacking the Power Grid: Analyzing What Hackers Do When They Have Access to the "Power Grid Honeypot".** This session will highlight the reality of hackers trying to hack the power grid and gain a better understanding of the possible actions and objectives when attackers are on SCADA devices that provide support to massive critical infrastructure. **(Speaker: Mr. Dewan Chowdhury - MalCrawler)**	

3:00	**Afternoon Tea Break and Networking**	**Afternoon Tea Break and Networking**
3:20	**Always Be Safe: IEC61511 Part 2** : The update to the standard IEC61511 in 2016 is aimed to improve safety integrity of Safety Instrumented Systems in the process industry Sector. Among the many clauses removed, added and changed, the pinpoint of the session will be the cyber security clauses. Affected are all sites on Jurong Island, particularly with new safety case regimes being enacted by the Ministry of Manpower. **(Speaker: Mr Manuel Diez - TÜV Rheinland)**	**Insider Threats :** Cyber attacks can be launched knowingly and unknowningly from within the plant. This session explores how to identify these potential insider threats and how they become a threat. What are the different ways that they may threaten the Organisation and the mitigation strategies and solutions to put in place. **(Speaker: Ms. Magda Lilia Chelly - Responsible Cyber)**
3:50	**When Is Enough Enough?** A look at the risk audits and assessments to deploy the optimal level of cyber defences. **(Speaker: Mr. Lim Sek Seong - Marsh Risk Consulting)**	**Cyber Secured Integrating of IIoT:** IIOT architecture is increasing being connected to installed components, similar to ICS in the past, which were built to operate reliably, without cyber defense being considered as a requirement. This workshop will explore the technical and economic considerations and possible defences for correctly and safely retrofitting installed components for connection to the cloud. **(Speaker: Mr. Daniel Ehrenreich - Secure Communications and Control Experts)**
4:20	**This Is Life!** This session explores the real life applications of best practices and solutions to cyber secure ICS and SCADA systems in a plant environment.	
4:50	**Closing Remarks**	**Closing Remarks**
5:00	**Networking Reception**	**END**