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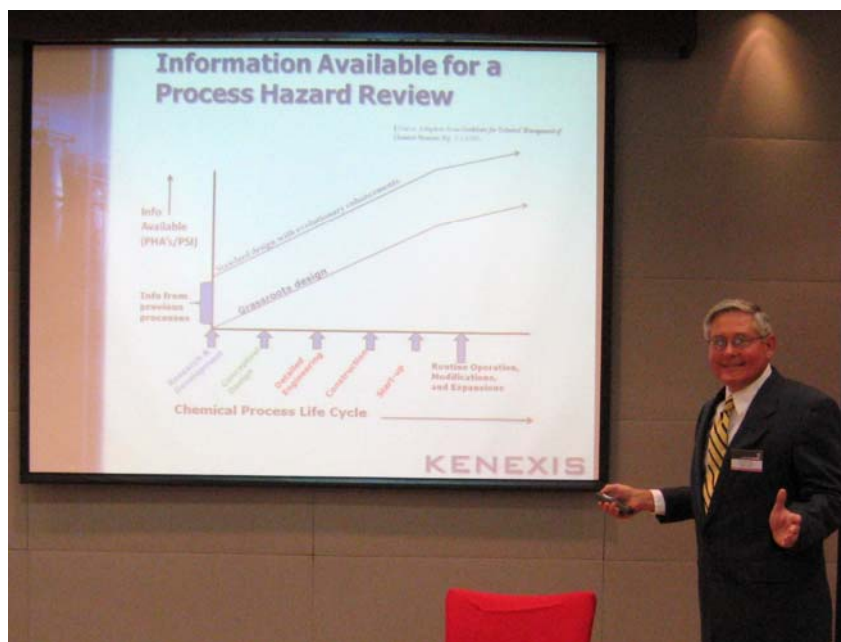
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Kenexis Expands PHA Capabilities

Kenexis has just successfully completed a PHA facilitation training course in Shanghai, China. The course was taught by Senior Engineer, Gary Carrithers, who is the technical director of process hazards analysis techniques and tools at Kenexis. This training course is part of Kenexis' strategy of expanding our service capability to include more Process Hazards Analysis and Quantitative Risk Analysis in order to offer a single-source for risk analysis and instrumented safeguard design basis studies. We expect that the synergy provided by having a single entity that can provide a comprehensive analysis will reduce the amount of time required for teams to sit in facilitated meetings while improving the consistency among the various studies that are done for a single unit and among units of the same type. The end result is decreased costs and improved consistency and accuracy. In addition to building our PHA talent base and building our PHA tool sets, we are also expanding geographically into the Asia Pacific region in order to more effectively serve our customers with diverse global operations.

Cyber security of Industrial Control Systems in the Headlines

This month there have been several notable events in the industrial control systems cyber security arena. Primarily, the first known case of malware that targets industrial control systems was found in the wild. While many vulnerabilities have previously been disclosed for ICS, this is the first known case of a vulnerability being adapted into malware (hostile code, such as a computer virus). Secondly, a series of targeted denial of service and hacking attempts were noted against public discussions servers that share ICS security related news and commentary. While these events so far appear to be unrelated, they represent a significant uptick in activity related to cyber security of ICS.

The vendor and international community response has been significant, proactive, and very positive – underscoring the importance of cyber security issues for us all. This shift in events serves as a reminder that all asset owners need to evaluate their cyber security protections and network defenses and to follow industry recommended practices such as those found in the ISA-99 standards. A proactive security program that includes a robust network architecture, solid design of process control and safety system, and coordination with vendors and international community to detect and respond to any emerging issues.

Kenexis Welcomes Gary Carrithers



Kenexis would like to extend a warm (and belated) welcome to Gary Carrithers. Gary is a Senior Engineer with responsibility for Technical Direction of our Process Hazards Analysis (PHA) tools and techniques. Gary got his start in process safety with Rohm and Haas Company in Louisville, KY. Gary was working as a HAZOP facilitator for more than 15 years BEFORE the OSHA PSM rule was passed (in 1992). In addition to his wealth of experience in pure process hazards analysis, Gary also pioneered many of the quantitative and semi-quantitative techniques that are taken for granted today. For instance, he was part of the team at Rohm and Haas (which included Art Dowell and Dennis Hendershot) who essentially invented the LOPA technique. Gary has already made a huge contribution to our organization, and we expect him to continue to make great contributions as Kenexis and the process industries move toward more unified, consistent, and comprehensive risk analysis and subsequent instrumented safeguard design.

Android is Coming



The software development and engineering team at Kenexis is hard at work implementing tools for instrumented safeguard design into Android Based smart phones, PDA's, and tablets. We expect that these tools will be able to radically decrease the amount of time and cost associated the design tasks. More announcements will be made through this newsletter in the coming months.