

## EXHIBITORS' TECHNICAL SEMINARS

Date : 1 <sup>st</sup> September 2010, Wednesday		
Time	Description	
1300hrs - 1330hrs	<b>Title:</b>	ENERGY EFFICIENCY/EFFECTIVE AIR SOLUTIONS: THE E2M GREEN APPROACH
	<b>Conduct By:</b>	Mr Les Rapchak, NexFlow Principal, Min Shang Industrial Supplies & Trading
	<b>Synopsis:</b>	Industry usage of compressed air-operated solutions can be designed and made to improve energy efficiency through the effectiveness of deploying conversation, automation and plant efficiency focus. Min Shang Industrial, being the pioneer in this industry, has designed the Energy Efficiency model (E2M) to address industry demands and requirements of air-operated solutions in a green approach. It plays a significant role in reducing environmental damage and its harmful consequences by increasing energy efficiency, i.e. using less input to produce same output; using same input to produce more output and links to the eventual well-being of the public. Likewise, industrial and commercial users can look forward to reduce costs, increase productivity, maximize profits and yet, at the same time, contribute to a greener environment.
1400hrs - 1430hrs	<b>Title:</b>	EFFICIENT DESIGN OF IRRIGATION BOOSTER PACKAGED
	<b>Conduct By:</b>	Mr Goh Yong Seng, Business Development Manager (Packaged System), ITT Fluid Technology Asia Pte Ltd
	<b>Synopsis:</b>	Irrigation design is often being overlook and engineers are not focusing enough is such design as much as any other services in a project. Many today are not aware of the relationship of the irrigation design and its impact on the environment. Presentation shall high light efficient and reliable irrigation booster packages and its role in a irrigation design.
1500hrs - 1530hrs	<b>Title:</b>	IEC 60034 - 30: OUT WITH 'EFF' STANDARD AND IN WITH THE NEW 'IE' (INTERNATIONAL EFFICIENCY) STANDARD. THE LATEST TRENDS AND DEVELOPMENTS WITHIN VEM MOTORS
	<b>Conduct By:</b>	Mr Wolfgang Klammer, Export Sales Manager, VEM motors GmbH
	<b>Synopsis:</b>	Higher efficiency electric motors can lead to significant reductions in energy consumption and also reduce environmental impact. In order to promote a competitive motor market transformation, a new international standard, the IEC 60034-30 has been approved. A summary of the IE1 to IE3 efficiency classes is presented along with VEM Research & Development programs and resulting products.
1600hrs - 1630hrs	<b>Title:</b>	MEASUREMENT OF NON-UNIFORM AIRFLOW ACCURATELY IN AIR DUCTS
	<b>Conduct By:</b>	Mr Poh Chin Poh, Instrumentation Sales Engineer, ABB
	<b>Synopsis:</b>	Accurate measurement of non-uniform airflow in large ducting is a challenge for practitioners due to various reasons such as characteristics of air flow, economics of measurement method, permanent pressure loss from the instrument and so on. ABB will share the application of Torbar, a multiport self-averaging flowmeter for such measurement with a demonstration with a fan set.

## EXHIBITORS' TECHNICAL SEMINARS

Date: 2nd September 2010, Thursday		
Time	Description	
1100hrs - 1130hrs	<b>Title:</b>	APPLYING TODAY'S TECHNOLOGY TO YESTERDAY'S PUMPS
	<b>Conduct By:</b>	Mr Ross Bertoli, General Manager, Hydro Australia
	<b>Synopsis:</b>	In today's energy conscious environment, companies are looking to increase the performance of their pumping systems and in turn decrease their energy costs, thereby reducing carbon emissions. Over many years the methods used in the repair and refurbishment of pumps have evolved and are now more expansive and effective in the pursuit of this requirement. Today's presentation will highlight opportunities for companies to improve the performance of their pumping systems through a variety of common sense applications.
1200hrs - 1230hrs	<b>Title:</b>	HYDRA-TECH SUBMERSIBLE PUMPS DRIVEN BY HYDRAULIC POWER PACK
	<b>Conduct By:</b>	Mr S.Rajaram, Business Development Manager, Pumps & General Pte Ltd
	<b>Synopsis:</b>	HYDRA-TECH Submersible Pumps pioneered the development of hydraulic drive submersible pumps. Our pumps are designed to cover the widest range of applications in the construction, municipal, mining, petro-chem, utilities and marine industries.
1300hrs - 1330hrs	<b>Title:</b>	THE NEW GENERATION FLOTTRONIC ONE NUT DOUBLE DIAPHRAGM PUMP
	<b>Conduct By:</b>	Mr Leighton Jones, Technical Sales Director, Floasia Pte Ltd
	<b>Synopsis:</b>	<p>Flotronic Pumps is a British specialist manufacturer of air-operated diaphragm pumps. Founded in 1981 Flotronic is famous for its development of a unique 'One Nut' pump design, which allows swift disassembly without disconnecting the pump from the process.</p> <p>Today, Flotronic pumps are manufactured to be used for thin or viscous liquids, with or without solids and for aggressive chemicals, adhesives, cosmetics, drinks, dyes, foodstuff paints, pharmaceuticals, solvents, slurry and water. Products as diverse as acids, hand cream, mayonnaise and yoghurt can be transferred. The pumps are exported across the globe through a network of strategically placed distributors.</p> <p><b>Why buy air-operated diaphragm pumps, and why Flotronic?</b> The advantages to the customer of the air-operated diaphragm pump over alternative pump types include self-priming, the ability to 'dry-run', ease in dealing with 'dead-heading' and solids conduct capability. The absence of a need for electricity makes the pumps readily portable and very safe. The main advantage of Flotronic pumps, however, is the pioneering and famous 'ONE-NUT' concept. The one-nut design makes stripping and rebuilding the pump very straightforward, allowing diaphragm replacement to be achieved in a matter of minutes. Process downtime is reduced and vast savings in maintenance costs are achievable.</p> <p><b>Flotronic introduce the 'ONE-BLOCK' design.</b> Flotronic Pumps launch the 'Minichem' pump. A totally new and unique pump based on our existing 'one-nut' double diaphragm pump design but machined from one solid block of PTFE.</p>
1400hrs - 1430hrs	<b>Title:</b>	LESER SAFETY VALVE- UNDERSTANDING "SET PRESSURE & BLOW DOWN PRESSURE"
	<b>Conduct By:</b>	Mr Seah Boon Peng, Technical Sales Manager, LESER LLP
	<b>Synopsis:</b>	LESER is a leading brand of safety valve manufacture in the world wide with 200 years traditions. LESER develop the professional and innovative technology in safety of pressurized facilities and specialized in Safety valves in all industrial applications with many years of experience, coupled with state-of-the art products and services enable LESER to offer competent solutions to needs of worldwide customers. LESER follows an in-house manufacturing philosophy and guarantees a high standard of quality, which has allowed LESER to become an industry leader for safety valves world-wide.
1500hrs - 1530hrs	<b>Title:</b>	PERFORMANCE TECHNOLOGIC PROMOTION FOR AUTO DRAIN
	<b>Conduct By:</b>	Ms Rita Chang, Marketing Manager, Super Air Compressor Technology Co., Ltd.
	<b>Synopsis:</b>	<p>Super Air Compressor Technology Co., Ltd. starts business from technical service for air compressor systems. In order to help the customer resolve compressors problems, we provide customized resolution case by case. Super Trap, ball valve type, no air-loss auto trap is the unique design for air compressor systems which based on the energy-saving strategy. It reduce not only operational cost of the compressor systems but also the contamination to earth environment. The Features of Super Trap as below is overcome the defects for common auto drains and increased your existent air compressor systems' efficiency.</p> <ul style="list-style-type: none"> <li>• The diameter of the discharge channel is <math>\psi 10\text{mm}</math>, even iron filing can be discharged easily</li> <li>• Dust &amp; Water prevented</li> <li>• Stainless steel housing **</li> <li>• Manual test button</li> <li>• Manually discharge impurities</li> <li>• No air loss –saving energy</li> <li>• No maintenance – contaminant discharged together with condensate</li> <li>• Visional checking function</li> <li>• Safe and reliable – remote monitor is available</li> <li>• Saving cost – Without additional membrane cost</li> </ul>



## EXHIBITORS' TECHNICAL SEMINARS

Date: 3rd September 2010, Friday

Time	Description	
1100hrs - 1130hrs	<b>Title:</b>	DESIGN OF ENERGY EFFICIENT CENTRIFUGAL PUMPS AND PUMPING SYSTEMS
	<b>Conduct By:</b>	Mr Cheoh Kim Yam, Managing Director, ACME Pump (Asia) Pte Ltd
	<b>Synopsis:</b>	Introduction of pump and system design including the piping, driver and controller in order to achieve the maximum system efficiency.
1400hrs - 1430hrs	<b>Title:</b>	SELECTING THE CORRECT PUMP
	<b>Conduct By:</b>	Mr Raymond Koh, Engineering & Service Director, Asia Pacific, ITT Fluid Technology Asia Pte Ltd
	<b>Synopsis:</b>	Pumps usage accounts for approximately 20 % overall world electrical power usage. The correct and efficient use of the pump is an important role in the energy conservation. This is the reason why the pump selection plays an important role in energy conservation.
1500hrs - 1530hrs	<b>Title:</b>	TAKING A LOOK AT THE NFPA 20 STANDARD ON FIRE PUMP CONTROLLERS AND THE REASONS THAT THIS STANDARD IS CONSIDERED BY MOST TO BE THE MOST STRINGENT REQUIREMENT, WHERE IT MANDATE THE SYSTEM PERFORMANCE SINCE IT IS CONSIDERED THE MOST CRITICAL SYSTEM OF ANY INVESTMENT
	<b>Conduct By:</b>	Mr Percy Woo, Regional Sales Manager, Tornatech Pte Ltd
	<b>Synopsis:</b>	Taking a look at the NFPA 20 standard on fire pump controllers and the reason that it is considered by most to be the best in the fire protection industries due to its strigent requirement. Since fire pump system is only operational during a critical or emergency situation, the standard therefore mandate the performance of the system, as any failure will result in lost of investment and perhaps human lifes.