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## USING ENZYMES TO REDUCE AIR-CONDITIONING COSTS – IEQ GLOBAL

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AerisGuard™ Solutions, introduced by IEQ Global Pte Ltd (“IEQ”), is a suite of environmentally-friendly non-corrosive multi-enzymes that treat and enable ACMV systems to achieve optimal performance via improved ventilation coil heat exchange and improved airflow. In doing so, it provides excellent indoor environment quality, reduced energy consumption, manageable operating cost and maintenance effort. It also protects and extends the lifespan of costly ACMV equipment.

Mr Ong Wei Ping, Executive Director of IEQ Global Pte Ltd, said “The AerisGuard™ Solutions acts as a cleaning agent by removing bacteria, fungi and other contaminants in the air-conditioning system. This allows the air-conditioning ventilation coils to dissipate heat and cool efficiently thereby improving the circulation of air flow”.

IEQ recently treated one Air Handling Units (AHU) at the Singapore Marriott Hotel for testing purposes. The results showed that the air flow efficiency of the system improved by over 22 percent with the ensuing indoor temperature improvements.

Mr Benny Mu, Director of Engineering, Singapore Marriott Hotel, said, “We believe that by having regular servicing of the central air-conditioning system, it will further reduce the energy consumption at our hotel. This has been proven by the IEQ’s suite of environmentally friendly non-corrosive multi-enzymes treatment just by treating one AHU unit. It is worthy to note that last year, Marriott International announced its environmental strategy, called “Spirit To Preserve”. Some of the plans call for greening its US\$10 billion supply chain; further reducing fuel or energy and water consumption by 25 percent per available room, and installing solar power at up to 40 hotels by 2017”.

IEQ also recently completed the application treatment to the whole building’s Central Air-Conditioning System of Riverside Point. The monitored ACMV Air Handling Units in Riverside Point have recorded significant increases in airconditioning air flow volume by over 20 percent, thus improving efficiency and indoor thermal comfort. Equally significant was the energy cost for the building’s central air-conditioning system which has been reduced by 10 percent in one month.



Mr Ong Wei Ping, Executive Director of IEQ Global Pte Ltd, commented, “In Singapore, we cannot live or work without the air-conditioning. Because the ACMV System is critical to keep indoor environment habitable, owners of buildings and homes need to reduce electricity consumption so as to cut down on the monthly utilities bills. Prolonged use combined with our hot weather will result in the gradual deterioration of ACMV system components in the air-conditioning units.”

“As companies look to cutting costs to weather the current recession, AerisGuard Solutions provides an affordable, self-sustaining way to reduce energy consumption and extend the lifespan of air conditioning systems. As in Riverside Point, a typical application treatment pays for itself within a few months and building owners enjoy the benefit of energy savings thereafter for the remainder of a year,” added Mr Ong.

**For more information, visit [www.ieqglobal.com](http://www.ieqglobal.com).**