New air purifiers reduce pollution

PETALING JAYA — Sharp's Plasmacluster Ions (PCI) Air purifiers have been proven to be effective in reducing air pollution and combating haze.

In a demonstration yesterday, Sharp-Roxy Sales and Services Sdn Bhd revealed results of the study to examine how effectively air treatment technologies incorporated into Sharp's PCI air purifiers could counteract haze.

This study — the first of its type in the world — successfully demonstrated the air treatment technologies used in Sharp air purifiers could provide excellent protection from haze with the goal of creating a healthy environment.

"With the analysis in mind, Sharp proceeded to examine how effective air treatment technologies incorporated into Sharp's PCI air purifiers could counteract haze," said Sharp in a press statement.

In March, haze samples were collected and analysed from several areas in Malaysia to study the particle size distribution and

(From Left) UPM Professor Dr Fakhrul Razi Ahmadun, UPM Associate Professor Dr. Halim Shah Ismail, Deputy Vice-Chancellor Industry and Community Relations Professor Dr Renuganth Varatharajoo, Engineering Department general manager Kazuo Nishikawa, Sharp-Roxy managing director Hiroyuki Nuizato, Sharp Electronics Malaysia general manager Takao Nakanishi and International Product Planning Department manager Hiroshima Okajima.

studies found particles measuring 2.5 micrometer or smaller accounted for almost 100 per cent in samples with "hazardous" Air Pollutant Index (API) readings.

Studies showed particles smaller than that poses the greatest threat as they are fine enough to lodge deeply in the lungs through inhalation.

Three Sharp PCI air purifier models — the KC-D60, KC-D40 and FP-E50 — were installed in separate 25.6 cubic meter spaces and set to "Haze Mode".

The three air purifiers require around 22 minutes, 38 minutes and 25 minutes respectively to remove 99 per cent of haze particles sized 0.0633 micrometers or larger.

A further experiment with the Plasmacluster devices showed all of it worked efficiently to reduce two components found in haze, Toluene and Pentanone.

"After 24 hours, the devices removed 91 per cent of toluene and 44 per cent of Pentanone, with those numbers increasing to 98 per cent and 70 per cent after a 48 hours," it stated.

With the goal of creating a healthy environment, Sharp will continue to advance its Plasmacluster Ion technology and air purifier technologies through ongoing research while also communicating the effectiveness and efficiency of these technologies.