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Technical Visit to the Energy Efficiency Centre and the Power Quality Centre of CLP (14.11.2009)

The Energy Efficiency Centre and the Power Quality Centre of CLP are collocated in CLP's Chamshuipo Depot in Fuk Wah Street. HKAEE organized the technical visit on 14th November 2009. It was attended by over 20 members from HKAEE and from other supporting organizations. Ir Anthony Lo of CLP and several CLP staff guided us throughout the visit.

The Energy Efficiency Centre showcased a large number of equipment utilizing various energy saving technologies in various applications. It was divided into several zones, according to the type of energy applications. In air-conditioning, use of variable speed drives for air-handling units, chillers, water-cooling towers etc. are demonstrated. There is also the demonstration of automatic chiller tube cleaning equipment, and use of desiccators. Various types of lighting were also demonstrated. There was also a full-scale kitchen for restaurants, in which the use of induction heating utensils for cooking was demonstrated.

In the Power Quality Centre, the problems of harmonics in power lines were explained, and mitigating measures were demonstrated. The problems related to voltage dips affecting lifts, escalators, and flood lights were also demonstrated.

Members attending the technical visit expressed that they have learned many practical ways in improving energy efficiency and power quality, and they appreciated very much that CLP staff were willing to share with them much of the practical points.



