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HKIE Electronics Division Activity Report

Technical Visit to CLP Power Digital Trunked Radio (TETRA) System



Group photo of HKIE members and the representative from CLP Power

On 26 February 2005, about 25 members joined the technical visit to CLP Power, Sham Shui Po Centre for the TERrestrial Trunked Radio (TETRA) system organized by Electronics Division. The TETRA standard is an open digital trunked radio standard defined by the European Telecommunications Standards Institute (ETSI) and is widely adopted in European and Asian countries/areas. The CLP's TETRA system was developed since 1999 to replace her analogue trunked radio system and is the first TETRA system deployed in Hong Kong for commercial/utility area.

The visit mainly covered three aspects: (1) Data application of TETRA in automatic fault location for 11KV overhead power line, (2) Remote control for power station using TETRA and (3) Visiting the TETRA equipment room. With the introduction by the experts from CLP, the members had been briefed on state of the art digital trunked radio technology and the applications ridden on the TETRA platform. Moreover, the network configuration and future development trend were introduced that led to valuable discussion in the visit.

The visit was a good experience to the members that could widen the horizon in the electronics/telecommunications field with an appreciation on the advanced radio system. Moreover, the visit also offered a valuable chance to the members for experience sharing with CLP on introducing new system to radio users.