

History of Electrical and Electronics Engineering Development in HONG KONG

- 1871 - The 1st British submarine telegraph cable laid into Hong Kong.
- 1882 - The 1st manual telephone exchange opened on Hong Kong Island.
- 1889 - The Hong Kong Electric Co., Ltd. (HEC) incorporated with authorized share capital of HK\$ 300,000.-
- 1890 - HEC Wanchai Power Station commissioned with installed capacity of 100 kw.
- 1901 - The China Light & Power Co., Ltd. (CLP) incorporated with authorized share capital HK\$ 200,000.-
- 1903 - CLP Chatham Road Power Station commissioned with installed capacity of 225 kw.
- 1930 - Telephone exchanges were replaced by an automatic system using Strowger electro-mechanical equipment.
- 1931 - The first trunk cable was completed and telephone service to Canton opened.
- 1938 - The Cable & Wireless (H.K.) Ltd. provided VHF and UHF service.
- 1950 - The Cable & Wireless (H.K.) Ltd. provided HF service.
- 1963 - The first computer, an NCR 315, was installed at China Light & Power Co., Ltd.
- 1965 - The first commercial computer service bureau was established by NCR.
- 1965 - The SEACOM submarine telephone cable opened for international telephone calls.

- 1967 - Cable & Wireless (H.K.) Ltd. installed the Tropospheric Scatter System linking with Taiwan.
- 1969 - First Satellite Earth Station HKI for Pacific Ocean Region
- 1970 - The first semi-electronic telephone exchange was brought into service.
- 1971 - The first minicomputer and microcomputer were installed by Dataprep (HK) Ltd.
- 1974 - The first PCM microwave equipment was brought into service by the Hong Kong Telephone Co., Ltd.
- 1974 - The Land Cable System with Guangzhou with capacity of 300 voice channels was brought into service by Cable & Wireless (H.K.) Ltd.
- 1975 - Microwave system to Macau with 300 voice channels was installed by Cable & Wireless (H.K.) Ltd.
- 1975 - The one millionth telephone was installed.
- 1976 - International Direct Dialling (IDD) service was introduced
- 1981 - The Hong Kong Telephone Co., Ltd. started the optical Fibre Function Programme.
- 1982 - Viewdata and Datel Message Service were introduced by the Hong Kong Telephone Co., Ltd.
- 1983 - A new Microwave System linking with Guangzhou with a maximum capacity of 2,700 voice channels was installed by Cable & Wireless (H.K.) Ltd.

OTHER USEFUL INFORMATION

- (i) The Hong Kong Electric Co., Ltd. has an installed capacity of 1,685,000 kw with an additional power station commissioned with planned capacity of 1,800,000.- kw. The China Light & Power Co., Ltd. has an installed capacity of 3,693,000 kw with an additional power station commissioned with planned capacity of 5,320,000.- kw.
- (ii) Hong Kong has 4,000 km of underground optical fibre - the longest used by any city in South East Asia.
- (iii) The growth rate of the Hong Kong electronics industry for the past 10 years averaged 25% at constant prices term with total domestic export registered some HK\$ 18 billion in 1983.