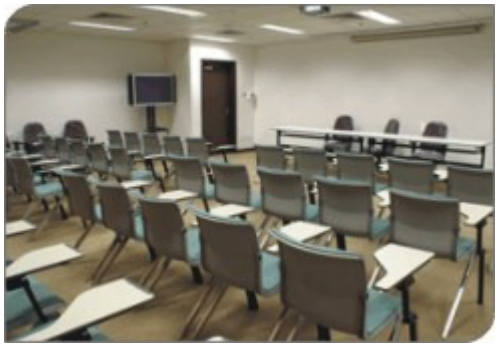
Case Study - Indoor Air Quality Monitoring System (Wetland Park, Jan 2006)

Located at the northern part of Tin Shui Wai, New Territories, Hong Kong, the site of Hong Kong Wetland Park was originally intended to be an ecological mitigation area (EMA) to compensate for the wetlands lost due to Tin Shui Wai New Town development.

The 61-hectare Hong Kong Wetland Park demonstrates the diversity of the Hong Kong's wetland ecosystem and highlights the need to conserve them. The Hong Kong Wetland Park comprises a 10,000m^2 visitor centre, Wetland Interactive World, and a 60-hectare Wetland Reserve. The Wetland Interactive World has themed exhibition galleries, a theatre, a souvenir shop, an indoor play area (swamp adventure) and a resource centre. The themed exhibition galleries with gross floor area ranging from 250m2 to 1,200m^2 showcase the importance of wetland on biodiversity, civilization and conservation.



To keep a good indoor air quality in the exhibition hall, we were pleased to supply 13 sets of Indoor Air Quality Monitors from KD Engineering as portable and fixed-type air quality monitors. The monitor included CO2, CO, Temp & RH% as basic sensors as well as plus TVOC, NO2 and O3 as optional sensors. The fixed-type air quality monitor is connected to the building management system in which if one of parameters is over the setting, the monitor will trigger the building management system to start up ventilation system, for instance increase volume of incoming fresh air. Including our supplied radon monitor, velocity meter and dust monitor, we build up a full range of indoor air quality system to fulfill the Hong Kong IAQ guidance.