

Edgewalks Sdn Bhd

BREIF PROFILE

CONSULTANCY



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Edgewalks Sdn Bhd has over 32 years of experience in numerous consultancy projects.

Edgewalks Sdn Bhd is managed by Mr. Peter Louis.

Edgewalks' clientele include Tenaga Nasional Berhad, Monash University Malaysia, F&N Berhad, Berjaya Corporation, Bintulu Port Holdings Berhad, KLIA Corporation, ACM, MRCB, Genting Sanyen, Charterfield Corporation, Minolta, MECOM, Tenaga Research and Development, Uniten, Multiplex Pte (Australia), Darhaki Power (Pakistan) to name a few.

Edgewalks Sdn Bhd has been involved in various consultancy including Environmental Impact Assessments, Emergency Response Plans, Environmental Monitoring, Environmental Management Plans, Noise modelling, Power Station Risk Assessment, Independent Environmental Monitoring Auditing, Forensic Audit and 3 Dimensional Hydraulic Modelling

Notable consultancy incudes:

- Specialised Thermal Plume study, in association with Flinders University of South Australia, National Institute of Water and Atmospheric Research Ltd (New Zealand) and Institute of Flight Guidance, Braunschweig (Germany) on the effects of Genting Sanyen Paper Mill and Independent Power Plant (IPP) on Aircraft Operations at Kuala Lumpur International Airport at Sepang, Selangor for the Kuala Lumpur International Airport Bhd. The thermal plume study focused both on obstruction and actual measurement study (using a Cessna 340A) to predict effects to commercial airlines during take-off and approach over the IPP on all three runways
- Institutional Strengthening. Preparation, in association with the Department of Environment, of the Environmental Impact Assessment Guidelines for Key Sectors of Groundwater and / or Surface water supply: Thermal Power Generation and / or transmission; Fishing Harbours and / or reservoirs for Aquaculture and Dams and / or Land Based Aquaculture and Dams and / or Reservoirs for the Asian Development Bank (ADB). These guidelines have been prepared under a technical assistance form the ADB to the Government of Malaysia and lists legal aspects, integrated project planning, site selection, scoping process, environmental baseline data, prediction and evaluation of impacts, mitigation measures, environmental management plan, checklist and report format.
- Risk Assessment study of the fuel storage facilities of the Gloger, Connaught Bridge and Bayan Lepas power stations (as part of the above mentioned Environmental Impact Assessments). Probability and consequent analysis for leak, spills and / or fire were studied. Modelled radiation contours were presented for various scenarios.

- Independent Environmental Monitoring Auditing (EMA) of the Kuala Lumpur International Airport (KLIA) at Sepang during construction (June 1995 to Dec 1997) The EMA focuses on independent monitoring on air, surface water and marine water and independent auditing of all KLIAB contractors to ensure compliance of KLIA and Department of Environment approval conditions.
- Risk Assessment study of the fuel storage facilities of the Glugor, Connaught Bridge and Bayan Lepas power stations (as part of the Environmental Impact Assessments). Probability and consequent analysis for leak, spills and / or fire were studied. Modelled radiation contours were presented for various scenarios.
- Emergency Response Plan for Connaught Bridge Power Station, Melaka Power Station, Sultan Iskandar Power Station and Serdang Power station. The Emergency Response Plan reviewed existing response procedures, suggested minimisation of environmental risks and hazards due to leak, spillage and / or fire associated with distillate storage tanks.
- Water quality improvement and feasibility study of Sungai Mas river, Batu Ferringhi, Pulau Pinang for Majlis Perbandaran Pulau Pinang and Jabatan Pengairan dan Saliran. The study focused on the identification and water quality measurement of all point and non - point discharges into the river and the preparation of a comprehensive water quality management plan.
- Salt water intrusion and water quality study of the Sungei Klang, Selangor. The project focused on salinity and water quality parameters between Port Klang and Shah Alam
- Environmental Impact Assessment for Pulau Tioman Power Station Plant - up Project, Pulau Tioman, Pahang. The EIA focused on effects of thermal plume on aircraft, risk assessment, marine ecosystem, noise and air quality impacts and recommended measures to mitigate significant adverse impacts.
- Environmental Impact Assessment of 330 MW combined cycle turbines to be installed at the Glugor Power Station, Glugor, Penang. The EIA focused on noise and air quality impacts and recommended measures to mitigate significant adverse impacts.
- Paper Mill EIA scoping study of six (6) short listed sites covering the states of Selangor, Negeri Sembilan, Malacca and Johor. The study ranked sites, based on environmental, technical and financial considerations. A comparative evaluation of all sites using weighted - rating decision methodology was employed.
- Environmental Impact Assessment of 2 x 110 MW Open Cycle gas turbines for the Glugor Power Station, Penang. The EIA focused on noise and air quality parameters in addition to risk assessment of the fuel storage facility and recommended a comprehensive list of mitigation measures
- Assessment and design of Emission Inventory spreadsheets for the Sultan Salahuddin Power Station, Kapar, Selangor. The two spreadsheets (CALCEMIS & REALMIS) prepared in a Lotus 123 format, calculates emission rates using USEPA emission factors and the application of measured emission data respectively for regulatory standards compliance.

- Air and water quality monitoring included work on a nuclear power site near Dothan, Alabama. Parameters measured were radiation emissions, wastewater and cooling water.
- Testing and statistical analyses of the Exxon Valdez oil spill for the Exxon Corporation
- Analysis of biocide compounds for Rhone-Poulenc, Ciba - Giegy and Monsanto.