



EARTHCHECK

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KUALA LUMPUR CONVENTION CENTRE

The Kuala Lumpur Convention Centre is a purpose-built convention and exhibition facility strategically located in the Kuala Lumpur City Centre (KLCC). Overlooking the iconic PETRONAS Twin Towers and the 50-acre KLCC Park, the award-winning venue has two auditoria; Plenary Hall and Plenary Theatre (seating 3,000 and 500 respectively); a Grand Ballroom, three Conference Halls, a Banquet Hall, five Exhibition Halls (9,710m² of column-free exhibition space on a single level), 20 meeting rooms plus the latest in 3G telecommunications and digital audio-visual facilities.

Convex Malaysia Sdn Bhd (Convex Malaysia) is the managing agent for the Centre and provides meetings, incentives, conventions and event management services to both Malaysian and international patrons. Accordingly, the company aspires to support the long-term sustainability of the travel and tourism sector in Malaysia, at the same time, acknowledges its responsibility to improve the environmental and social impacts of events held at the Centre.

Since November 2005, the Kuala Lumpur Convention Centre has carried out bi-annual environmental audits. In February 2007, it became the first convention centre in Asia to achieve EarthCheck (previously known as Green Globe) Benchmarked status, an achievement that has gained it recognition from international conference planners and organisers.

BENCHMARKING ACHIEVEMENTS (2009 – 2010)

Energy Consumption is **39.1%** better than Best Practice

Waste sent to landfill per passenger is **40.7%** better than Best Practice

Community commitment is **23.9%** better than Baseline level

Paper products rating is **14.8** points better than Best Practice

Potable water consumption is **19.8%** better than Best Practice

Waste sent to landfill is **40.7%** better than Best Practice

SUSTAINABILITY SNAPSHOT

Convex Malaysia is committed to supporting the long-term sustainability of the travel and tourism sector in Malaysia through a variety of initiatives.

In addition to complying with and exceeding where practicable, the relevant Malaysian environmental, food, public and occupational safety and health legislations, the Centre continually sets measurable objectives and targets using EarthCheck's certification programmes.

ENERGY CONSUMPTION

The Centre is fitted with Variable Speed Drive (VSD) and a Heating, Ventilating and Air Conditioning (HVAC) inverter system to automatically regulate the operation of escalators and alter the air-conditioning level when a change in temperature is detected.

Since 2008, the Centre has replaced 2,910 light bulbs with energy-saving compact fluorescent alternatives. The light-emitting diode (LED) lighting has even lower power consumption than traditional lighting and is more environmentally-friendly when disposed of.

The building has been designed to allow maximum natural lighting in the pre-function areas, further reducing the demand for artificial lighting. All lights in the Centre's function rooms and exhibition halls - except those required for emergency management purposes - are switched off when not required.

Behavioural changes instilled among staff-members, such as switching lights

down to a minimum during build-up and tear-down of event sets, have also helped in reducing energy consumption.

RENEWABLE ENERGY

A total of **12.6%** of all energy consumed by the Centre comes from renewable energy sources such as hydro power provisioned by the national electricity provider, Tenaga Nasional Berhad (TNB).

GHG EMISSIONS

The Centre has been closely monitoring its greenhouse gas (GHG) emissions since 2006 and utilises battery-operated forklifts and burden vehicles (buggies) to help reduce fossil fuel energy related emissions from on-site vehicles.

To help offset emissions resulting from event attendance, the Centre initiated a tree-planting programme in 2010 with the Forest Research Institute of Malaysia (FRIM) at the Kepong Botanic Gardens as an opportunity to reduce carbon offset whilst contributing to improving the quality of the city's green spaces.

WATER CONSUMPTION

The most cost-effective means to immediately reduce water consumption without capital outlay involved educating the staff members. Following re-training, policies were implemented to ensure that leaks are checked on a weekly basis and maintenance staff members are immediately notified if any repairs are required.

Low/dual flush toilets, low flow tap fittings and low flow shower fittings were installed throughout the Centre during construction.

The landscaping in the outdoor areas requires minimal irrigation and includes hardy species such as *Dracena fragrans*, *Anthurium*, *Dracaena reflexa* and *Ficus Iryata*. Hand watering is carried out as required, depending on the level of rainfall using water recycled from events at the Centre.

WASTE REDUCTION

To encourage staff and visitors to reduce, reuse and recycle, 25 colour coded recycle bins were placed strategically around the Centre to separate plastic, glass, metal and paper at source. An approved recycling company collects the recyclable materials from the Centre.

Food waste is recycled into fish feed by an appointed contractor. This activity has generated savings for the Centre, as evidenced by the reduced trips to the landfill by approximately **12.4%**.

WASTE SENT TO LANDFILL

To reduce waste sent to landfill, suppliers use baskets to deliver goods rather than boxes and vegetables are no longer wrapped in paper.

Staff, clients and visitors are actively encouraged to use the strategically-placed water stations instead of water bottles.

REUSE AND RECYCLING

Commitment to a recycling programme has resulted in **19.6%** of waste being recycled, reused or composted.

Careful thought goes into the design and production of backdrops and props to ensure items can be reused for future events; requiring minimal touch-up and alteration. Remnants of timber and pipes from exhibitions are also returned to the in-house workshop for reuse.

The Centre has also replaced disposable needle punch carpet with reusable and recyclable carpet tiles.

PAPER

The purchasing policy stipulates that all paper products such as serviettes, tissues, toilet tissue and printing paper be sourced from recycled or sustainable sources.

Adherence to this policy earned the Centre a Paper Products Rating that is **14.8** points better than EarthCheck Best Practice:

1. Electronic communications in preference to printed communications;



2. Setting printers and copiers to double-sided black and white defaults;
3. Using the Centre's website as a database for customer enquiries;
4. Taking in consideration environmental consequences when making decisions on the purchase of mementos or gifts. Where possible, items are sourced from suppliers who are able to demonstrate that the items are made from materials that can be recycled at the end of their life cycle;
5. The Centre also opted to provide pencils, instead of pens, for all meetings and conferences.

CLEANING PRODUCTS

It is the Centre's policy to use biodegradable chemical products for all its cleaning activities such as cleaning of toilets, carpets, glass and washing of floors in public and private areas, while maintaining the necessary strength to disinfect where required.

100% biodegradable products are used for personal hygiene use, in detergents and glass cleaners. The percentage of other biodegradable products includes:

1. Carpet floor chemical (**99%**)
2. Hard floor chemical (**82%**)
3. External cleaner (**81%**)
4. Internal cleaner chemical (**12.1%**)

The use of a scrubber sweeper to clean large surface areas has helped to reduce the amount of chemicals required and resultant waste water.



Chemicals are purchased in bulk whenever possible to optimise cost and reduce waste from packaging material. The preferred biodegradable brand is Chempro by Chempro Technology (M) Sdn Bhd.

PESTICIDES

Pesticides used include weed killers, fungal killers, rodent killers and insect killers; with the most used brands being Q Bayt, Crackdown SC, Icon EC, Seize Gel and Storm Pallets.

The Centre's pest control contractor is registered with the Pesticide Board of Malaysia and monitored to ensure that the use of pesticides is kept to a minimum.

COMMUNITY COMMITMENT

Located in the heart of Kuala Lumpur, the Centre works with the Dewan Bandaraya Kuala Lumpur (the city council), to redirect vehicles to an off-street parking area and reduce traffic flow problems.

Vehicles waiting to move into the Centre for exhibition set ups can cause a disruption to traffic flow and this can become a source of annoyance to other members of the business and residential community.

Locally sourced food and beverage is purchased where possible in a bid to keep food miles low and support regional growers.

The Centre supports Living HOPE; a charitable organisation whose mission is to provide food and education for children from hardcore poor families in Malaysia.

They also support HE(althy)ARTS; whose primary purpose is to support underprivileged children. Yellow House is a non-profit organisation behind the HE(althy)ARTS mentoring programme and is aimed at imparting important values to children in residential care, poor communities and those with special needs through the arts and other mediums within a greater vision of maximising each child's potential and opportunity in life.

Children from both charities are invited to the Centre's annual Buka Pusa (Breaking of Fast) dinner during the Moslem festival of Eid.

In addition, the Centre hosts four cultural events annually to raise awareness and to support important social causes such as Mercy Malaysia, autism and orphans.

