

Kuala Lumpur Airport - Case Study



About KLIA2

The Kuala Lumpur International Airport 2 (KLIA2), opened in May 2014, is built to be Malaysia's Next Generation International Hub. Designed to cater for 45 million passengers a year, this new terminal has replaced the Low Cost Carrier Terminal (LCCT) and delivers increased capacity and superior facilities.

Background

In 2012, whilst exhibiting at a UK sign exhibition, Bright Green Technology were approached by the contractor who was designing the wayfinding system for the new terminal. The brief was clear, as well as needing an energy efficient lighting system for the signage, it was vital that the lighting was low maintenance, reflecting the needs of the busy, round-the-clock airport terminal.

“ Bright Green Technology supplied an exceptional LED system that was custom made for our project and they were there to support us all the way from the initial design stage to final installations. ”



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To find out more please contact one of our specialists
Tel +44 (0) 1932 355221 info@brightgreentechnology.com
www.brightgreentechnology.com

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Project overview and financial modelling

The new KLIA 2 terminal benefited from more than 700 individual wayfinding signs with LED backlighting specified and optimised by Bright Green Technology.

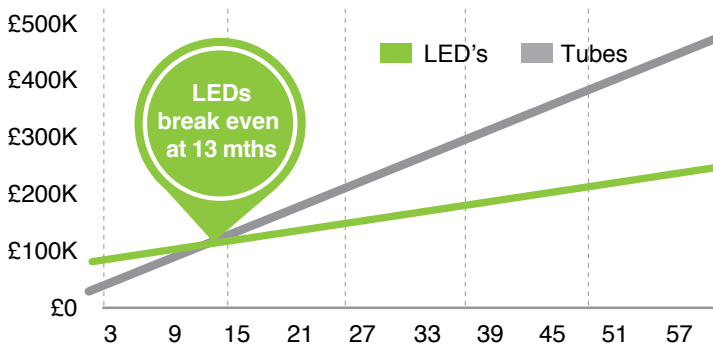
Return on investment

	Tubes	LEDs
Power consumption	762,120 W	335,070 W
Energy cost per year	72K	31K
CO ² per year	381 Tonnes	168 Tonnes

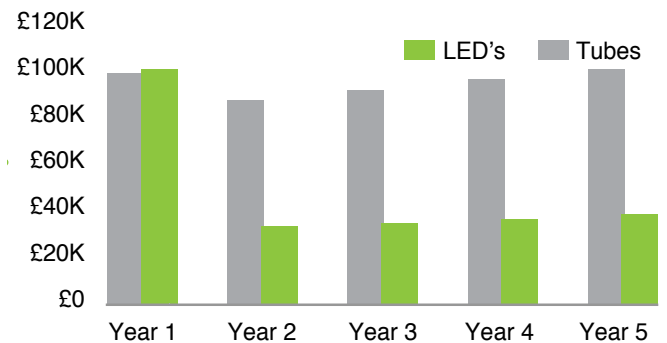


Financial modelling is one of the key services that we provide for any retrofit or new build project, we understand that return on investment is critical to any business. For us this entailed gaining an in-depth understanding of the requirements of the new terminal.

Time to break even



LEDs annual cost saving



Aviation Industry Commitment to Action on Climate Change

Malaysia Airports, the parent company of KLIA, are a signatory to the Aviation Industry Commitment to Action on Climate Change. This means that they must demonstrate a commitment to creating a pathway towards carbon-neutral growth and aspire to a carbon-free future.

As part of this commitment Malaysia Airports have a policy to integrate sustainability as a consideration in all planning and development decisions – including their wayfinding signage.



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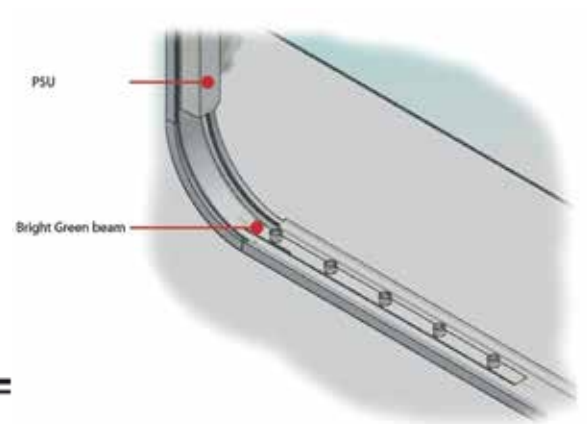
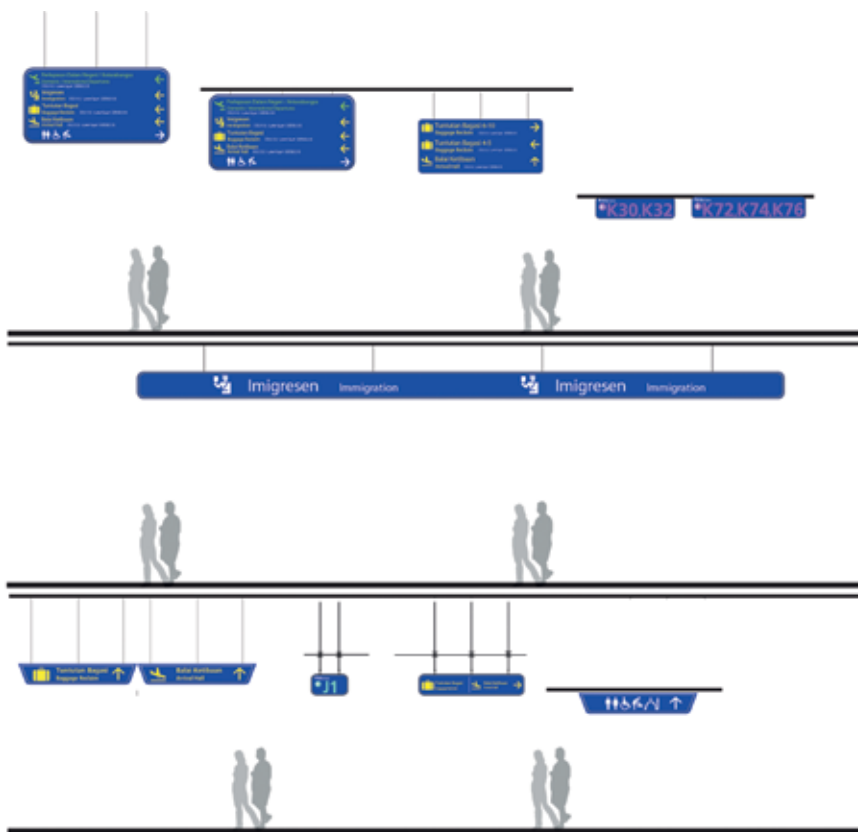
ICAO: UNITING AVIATION ON CLIMATE CHANGE

The LED system

The lighting used in the new signage at KLIA2 was specifically developed by Bright Green Technology for airport wayfinding.

Designed for slim signage, this edge lighting LED system has lensed LEDs to ensure even light diffusion. LEDs are set to a specific pitch and colour temperature, meaning the signs get the best and brightest illumination possible.

The system is quick and easy to install using the thermal adhesive tape on the rear. LED specification is optimised for close binning, high lumen efficiency and lumen maintenance.



“ We have already worked with some of the biggest international airports in the world, including London Heathrow in the UK and we are now well-versed in the unique requirements of these valuable, 24 hour environments. ”

“ We are proud of our involvement in the development of the new terminal at Kuala Lumpur airport. For us, airports are an important sector and a key area of growth thanks to the forecast future increase in passenger air traffic. ”

Andy Clark
CEO
Bright Green Technology

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About Bright Green Technology

Bright Green Technology specialises in LED systems that dramatically improve the quality and performance of backlit media, illuminated signage, retail displays and architectural features.

We've worked in the most iconic locations for the biggest companies and won their trust for our product quality and customer support.



Our Approach

The intelligent answer to your LED requirement saves you time, money and energy. We are practical, hands-on people who understand both state-of-the-art lighting technology and the realities of your business. So while we provide all the products you need, we place equal emphasis on trusted advice and ongoing professional consultancy.

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