MAKING YOUR TRAVEL SEAMLESS, PLEASANT AND CONVENIENT

Case Study

As the nation's flagship international gateway, KL International Airport (KLIA) is well positioned as a key aviation hub for Southeast Asia. It boasts the flexibility to combine short-haul and long-haul connections with facilities that integrate both full service and low-cost airlines' operations and geographic centrality with adequate catchments areas within four to five hours of radius flight time from KLIA. A brilliant fusion of modern architecture and nature, KLIA's smooth functioning is supported by a highly integrated technology in the shape of Honeywell Total Airport Management System (TAMS). TAMS works behind the scene to seamlessly connect the various technical facilities of the site to provide a hassle free experience.

BUSINESS DRIVERS

- Provide a world-class aviation gateway and strengthen its position as a regional hub

- Smoother operation of the airport to boost business continuity

- Facilitating an efficient airport network and system, excellent service capability and cost efficacy

- Usage of the latest technology to deliver an enhanced travel experience

- Seamless and easy experience for passengers, both on the landside and the airside

Honeywell

HONEYWELL SOLUTION

Central control

Honeywell Enterprise Buildings Integrator (EBI) seamlessly integrates a diversity of systems- from security, air conditioning and lighting to the passenger terminal transit system, 3rd party and Honeywell technology. The operation fully integrates with the Total Airport Management System (TAMS).

Sustainability

Effective lifecycle management of BMS controls throughout the airport has enabled KLIA to benefit from checking control loops and enhanced logic, promoting integrity of operations and optimised energy usage.

Business Continuity

Honeywell implemented a built-in system redundancy to minimize risk to operations.

Security & Safety

The central airport building management operator at a single computer terminal, enables monitoring and controlling every physical activity that takes place within the airport. If necessary, an intervention made in real time promotes enhanced safety and security of passengers and staff alike.

Honeywell Airport Field Lighting
Honeywell airfield lighting system (ALS) at KLIA delivers an Advanced Controller Work Position (ACWP) enabling simultaneous monitoring of the traffic situation and airfield lighting control on the same screen. Additionally, the system is interfaced with other surveillance and navigation systems like Surface Movement Radar (SMR), Surface Manager (SMAN) and Runway visual range of automated airfield light intensity settings as per ICAO standards to reduce energy consumption.

BUSINESS OUTCOMES

- Proficient services for passengers at KLIA enhances their experience within the airport terminal.
- Early identification of potential issues to promote enhanced safety and security.
- Intelligent integration and automation drive productivity, reduces the burden on facility management to undertake manual processes.
- Smart scheduling of resources throughout the airport terminal and airfield.
- Lighting solution to reduce energy waste and promote lower operational cost.
- Flexibility and scalability of KLIA technology roadmap to enable interoperability.
- Optimisation of HVAC and energy resources.
- The intelligent design of ALS promotes seamless maintenance operation due to Honeywell Single.
- Lamp Control and Monitoring. It enables independent monitoring capability of each light installed, whether faulty or not.
- Integrated ALS increases safe, dependable and efficient throughput of the aircraft.

For more information
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THE
FUTURE
IS
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