

# Airport



**ENGINEERS**

*total engineering services*





Airline check-in  
Level 4  
↑  
Check-in  
Singapore  
Immigration Point

Message  
546  
↑  
Message  
546

7  
↑  
7



# Mission Statement

*“To be recognised as Malaysia’s premier one stop one engineering service provider, as reflected in our continuous outstanding contribution to the development of major infrastructure; and maintain this position through excellent services and superior technical quality, innovation and performance”.*

This vision is realised through:

Personal involvement of the directors to provide strong leadership to ensure timely and speedy implementation of both corporate objectives & goals.

Existing effective and efficient corporate structure to provide maximum operating efficiencies to the Group.

The vast base of experience within the Group that helps to leverage its niche in the engineering arena.

The availability of capital within the Group to provide adequate funding strength for Group operations.

Continuous quality engineering services upgrading through constant re-engineering process and training while maintaining the existing standard of professionalism.





# Corporate Information

HSS Engineers Berhad (HEB or the Company) is an investment holding company which was incorporated on 23 January 2015 under the Companies Act 1965 as a private limited company under the name of HSS Engineers Sdn. Bhd. before it converted into a public limited company. The Company assumed its present name on 31 March 2015. The Group operates from 3 main offices which are based in Kuala Lumpur and Penang in Malaysia as well as Chennai in India. HEB, had on 28 March 2018, completed the acquisition of SMHB Engineering Sdn Bhd (SMHB) which provides engineering services and project management consultancy for the water sector.

Its associate company, HSS Integrated Sdn Bhd (HSSI), is currently one of the leading ISO Certified (ISO 9001:2015, ISO 14001:2015 and OHSAS 18001:2007) engineering consultancy firms in Malaysia. With a proud history over the last 30 years, HSSI is a firm with shared values, an open culture, commitment to services & quality, provision of high standards of professionalism and business ethics, along with a leading edge approach to delivering a sustainable future.

Our expertise includes project management, master planning, preliminary and detailed engineering designs, construction supervision, contracts administration, feasibility studies for major infrastructure project in South East Asia, Middle East and North Africa (MENA) and South Asia. The Group's results are evident from the track records of vast experience and timely delivery of projects in addition to the established good working relationships with clients from both the public and private sectors.

As a total engineering solution Firm with a global total workforce of over 1000 staff of which more than half are engineers, HEB is able to draw on resources within and is well equipped to handle projects of varying magnitudes. HEB is confident that as a group, similar engineering consultancy services can be provided in other parts of the world mainly in the transportation and urban infrastructure development projects. The group is confident that with the experience and track record, it will be able to provide a high standard of engineering services to any client.





# Airport Capability

As one of the country's leading consulting engineering practice, HSSI has been involved in the planning, design and construction supervision of major airport projects in Malaysia as well as in the Asia Pacific region.

The varied experience in the airport and aviation sector has enabled HSSI to offer a wide range of skills required for the successful implementation of projects incorporating airport engineering.

HSSI can provide a full range of disciplines from in-house supplemented where necessary by the expertise of sub-consultants who offer specialist input in various areas of a project.

- Planning & strategic studies
- Feasibility studies
- Master plan
- Detailed design
- Extension, refurbishment & upgrading
- Engineering design & commissioning
- Project management
- Construction supervision
- Quality assurance
- Contract documentation
- Tender & contract management

We at HSSI appreciate our responsibility and ensure a **“managed approach”** to all aspects of the design process, allowing the practice to offer a comprehensive and selected range of services to suit clients' requirements.

In addition, our staff have the maturity to be able to discuss any problems and disagreements with the client in an objective manner to allow timely and smooth resolution to these issues.





# Services



**Project Identification and Assessment of Needs**

**Location Studies**

**Land and Geotechnical Survey**

**Technical and Engineering Feasibility**

**Environmental Impact Assessment**

**Economic and Financial Appraisals**

**Preliminary and Detailed Design**

**Value Engineering**

**Specifications and procurement**

**Contract Documentation and Administration**

**Project Scheduling**

**Material Testing and Inspection**

**Quality Control and Construction Supervision**

**Cost and Budget Control**

**Total Project Management**



# Airport Experience

## Development of New Low Cost Carrier Terminal (LCCT), Malaysia

**Description** : Preliminary and detailed designs of the bulk earthworks for the airside surfaces, ground improvement works and main drainage works.

**Services** : Preliminary & Detailed Design

**Project Value** : RM 500 mil (USD 143 mil)

## Express Rail Link (ERL), Malaysia

**Description** : Technical Support Consultant to assist in the management and implementation of the 50km Express Rail Link project from Brickfields to KLIA, Sepang. The services included overall project management of the ERL, engineering management of the civil & structural works & railways systems, planning & cost control, construction management of the construction works, design review of the preliminary engineering works and preliminary engineering study.

**Services** : Technical Support Consultant

**Project Value** : RM 1.5 bil (USD 0.4 bil)





# Airport Experience

## Kuala Lumpur International Airport - Bulk Earthworks and Drainage, Malaysia

**Description** : Detailed design of the bulk earthworks and main drainage works within the airport together with three balancing ponds, river improvements, preliminary design of the horizontal geometry & vertical profile of the airside operational surface and the preliminary design of the horizontal geometry & vertical profile of all landside roads and supporting utilities.

**Services** : Detailed Design

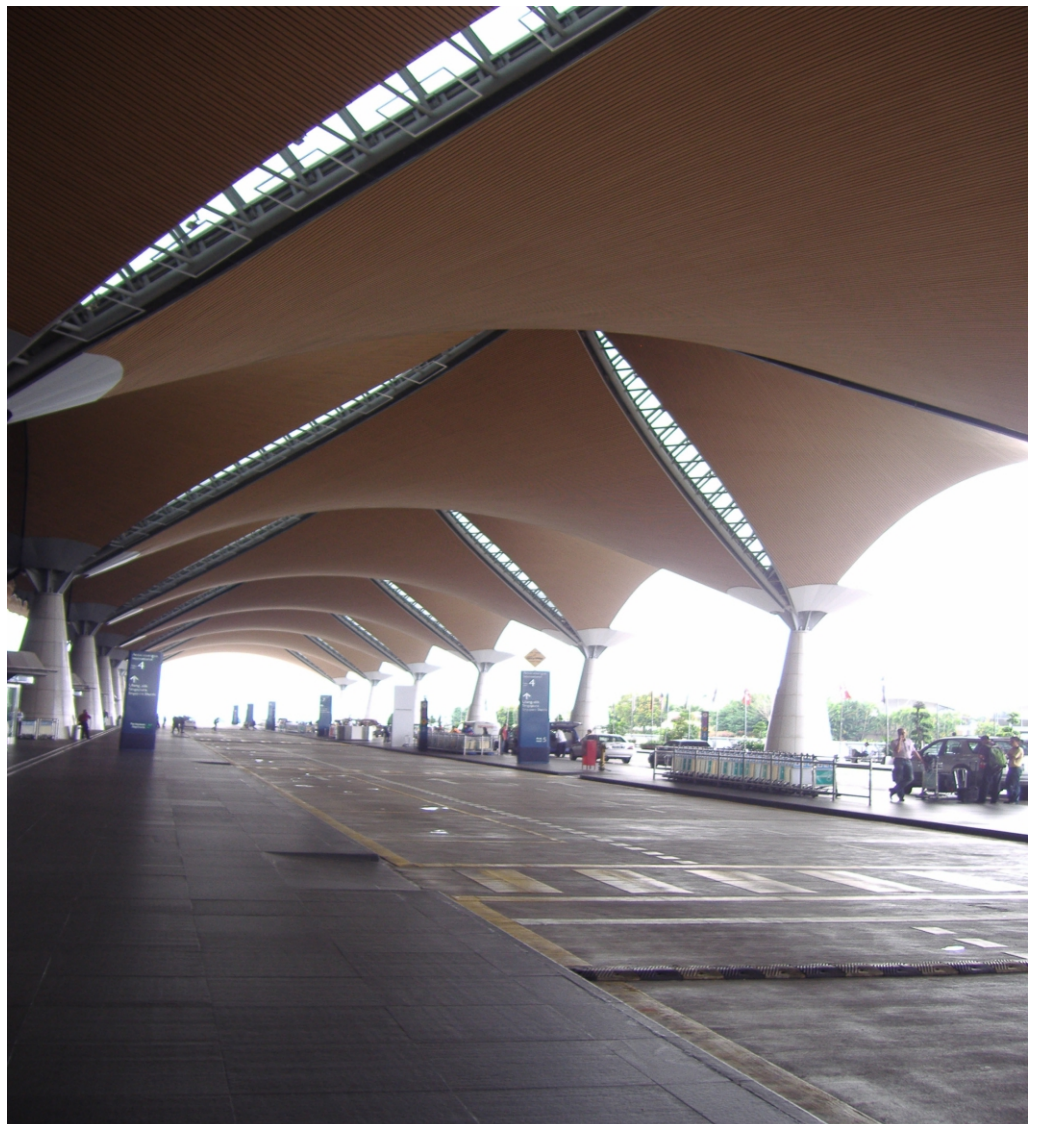
**Project Value** : RM 9 bil (USD 2.6 bil)

## New International Airport Development Project at KLIA, Sepang – Masterplan Study, Malaysia

**Description** : Engineering consultancy services in the overall evaluation and defining of external infrastructure requirements including engineering & land survey, hydrology & hydraulic analysis, geotechnical investigation & design, formulation of land acquisition plans, route location studies for road & rail accesses, economics evaluation of project options, design of road network & pavements and design of external civil & infrastructure requirements.

**Services** : Engineering Consultancy Services

**Project Value** : RM 1.2 mil (USD 0.3 mil)





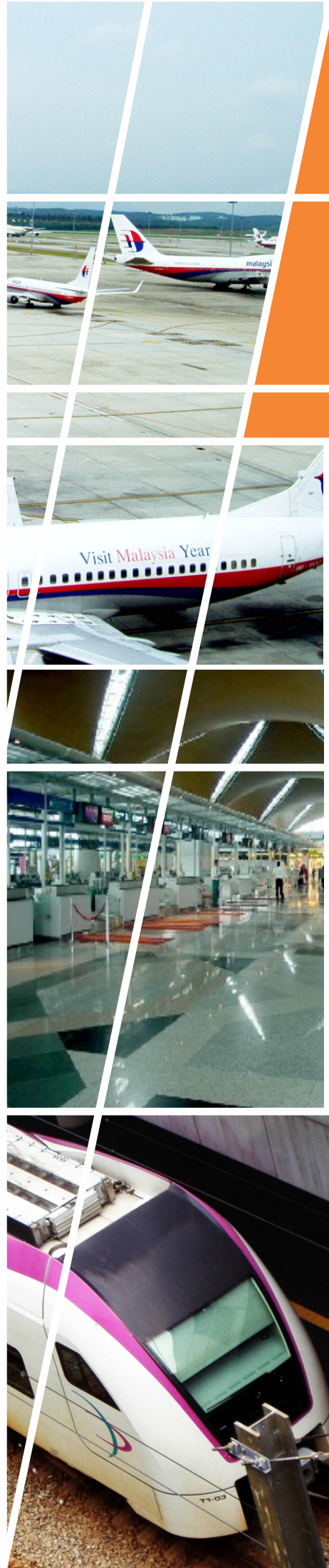
# Airport Experience

## Kang Keng Airport, Phase 1 Development, Cambodia

**Description** : Preliminary and detailed design of Phase 1 Development included topographical, geotechnical & condition survey, preparation of airport development layout plan, preliminary & detailed engineering design for taxiway/apron to accommodate ATR 72 aircraft & Boeing aircraft in future, terminal building area & all ancillary works, approach roads, car park layout, infrastructure drawings for rainwater drainage, water supply & sewerage and mechanical & electrical services layout for the airport complex.

**Services** : Preliminary & Detailed Design

**Project Value** : RM 30 mil (USD 9 mil)





# Airport Experience

## Express Rail Link, CICO - Check In/Check Out of Rail/Air Intermodality Facilities

**Description** : Feasibility studies carried out for rail/ air intermodality, check in/ check out facilities, baggage transfer system, ticketing and customs requirements resulted in the provision of the current check-in facility at KL Sentral Station for passengers using the ERL.

**Services** : Feasibility Studies

**Project Value** : RM 120 mil (USD 34 mil)

## Langkawi International Airport Terminal Building – Extension and Renovation Works, Malaysia

**Description** : Redevelop the airport and its associated facilities, renovation and extension of the terminal building, an elevated water tower, sub station, suction tank, cable trench & hard landscape structure, earthworks, drainage, sewerage, road and water supply.

**Services** : Detailed design

**Project Value** : RM 68 mil (USD 19 mil)







**ENGINEERS**

## **HSS ENGINEERS BERHAD**

**HEB Group comprises the following companies:**

**HSS Engineers Berhad (1128564-U)**

**HSS Engineering Sdn. Bhd. (450753-X)**

**SMHB Engineering Sdn Bhd (167729-A)**

**BIM Global Ventures Sdn. Bhd. (1008362-V)**

**HSS BIM Solutions Pvt. Ltd. (incorporated in India)(U74900TN2012PTC086741)**

**SMHB Environmental Sdn. Bhd. (258815-X)**

**Our associated companies held through HSS Engineering Sdn Bhd are as follows:**

**HSS Integrated Sdn. Bhd. (173262-T)**

**HSS Mekanikal & Elektrikal Sdn. Bhd. (228667-K)**

**The associated company held through SMHB Engineering Sdn Bhd is as follows:**

**SMHB Sdn. Bhd. (63281-X)**

### **HSS Engineers Berhad**

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