

Client

Resorts World Bhd

Architect

CWW Architects Sdn Bhd

Consulting Engineers(Civil, Structural, Geotechnical,
Mechanical and Electrical Engineering)

Arup Jururunding Sdn Bhd

System Designer & Supplier

Leitner Spa, Italy

Project Cost

RM 128 million

Completion Date

1996

Genting Skyway and Stations Genting Highlands



This 3.4km Mono Cable Car System at Genting Highlands is the world's fastest mono cable car ride with a maximum speed of 6 metres per second.

The detachable circulating ropeway, which complies with Swiss safety regulations, has a capacity of 2,400 persons per hour each way. The system is able to transport passengers from the township of Gohtong Jaya to the hilltop in just 11 minutes.

Arup was responsible for the design of the foundations, civil and structural works and building services. These included the following:



- The cable car middle station at Gohtong Jaya comprising a 5-storey station and a 10-storey carpark. It is RC framed with a central core to resist the lateral pull of the skyway system from the top station.
- The top station at the Highlands Hotel. Although functionally built into the hotel, it is structurally independent through the use of expansion joints to isolate the dynamics of the cable car system from the rest of the hotel.
- The 22 pylons supporting the system. Each pylon is supported by four 1.2m diameter caissons socketed into granite bedrock.
- The flyover bridge over the existing Batang Kali-Genting road. The flyover has two 28m spans of precast pretensioned M-beams.
- Extensive slope stabilisation works including protection from boulder strikes.