#### © T. R. Hamzah & Yeang Sdn. Bhd. Net Zero Energy & Carbon Neutral Design: Passive Mode

## Roof Roof House, Malaysia





Location: Ampang, Malaysia Total Built-up Area: 3,500 sqft Year of Completion: 1984 Scope of Services: Architect The house is designed as an experimental life-size working prototype. The design is based on a theoretical idea that buildings should be designed as "enclosural systems that operate as a valve within the optimissed landscape". The design uses climatic factors opportunistically to shape the building's form (by solar orientation, wind direction, etc.), in its configuration and spatial organisation.

#### © T. R. Hamzah & Yeang Sdn. Bhd. Ecoarchitecture: biodiversity enhancement

## • Suasana Putrajaya, Malaysia



#### © T. R. Hamzah & Yeang Sdn. Bhd. Ecoarchitecture: vegetated ramp; Net Zero Energy & Carbon Neutral Design: Mixed Mode atrium

# Solaris, Singapore



#### © T. R. Hamzah & Yeang Sdn. Bhd. Ecoarchitecture: vegetated skycourts & overhead canopy

### National Library, Singapore



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#### © T. R. Hamzah & Yeang Sdn. Bhd. Ecoarchitecture: ecological nexus: continuous vertical green wall DICL Technology Operation Control Malaxy

# DIGI Technology Operation Centre, Malaysia



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### © T. R. Hamzah & Yeang Sdn. Bhd. Net Zero Energy & Carbon Neutral Design: Mixed Mode canopy roof • Skylon Residence, Malaysia



Fact Sheet

### © T. R. Hamzah & Yeang Sdn. Bhd. Net Zero Energy & Carbon Neutral Design: Flue-wall (mixed mode & full mode) • Great Ormond Street Children Hospital Extension, London



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### © T. R. Hamzah & Yeang Sdn. Bhd. Net Zero Energy & Carbon Neutral Design: Mixed Mode canopy roof

# • Xiong'an Station, Beijing, China



### © T. R. Hamzah & Yeang Sdn. Bhd. eco-architecture: productive mode design (photovoltaic canopy)

aerial perspective

# B Data Centre, Cyberjaya (on-going)



Data Centre's Tier Classification: tageted Tier IV

The Client's brief was to design a data centre with ecological features with high-security. A key feature of the Data Centre is a continuous vegetated green wall that brings the vegetation from the gound level to the rooftop level- meant to act as living habitats and as means of filtering and improving its ambient indoor air quality.

Fact Sheet