

Excellent Design Framework Awards

Daniel & Mayce Yu Research Building, HKUST

Wong & Ouyang (Building Services) Limited



Client/Developer:

The Hong Kong University of Science and Technology

Building Services Engineer:

Wong & Ouyang (Building Services) Limited

Architect:

Wong & Ouyang (Hong Kong) Limited

Lead Contractor:

Penta Ocean Construction Company Limited

Structural Engineer:

AECOM Asia Company Limited

Facilities Manager:

The Hong Kong University of Science and Technology

Project Description

Daniel & Mayce Yu Research Building is HKUST's flagship eight-storey research facility in Clear Water Bay for life and chemical sciences and technologies. It provides approximately 6,060 m² net operational floor area with open laboratories, specialized facilities, and write-up spaces for over 300 researchers. Features include pedestrian linkage to the Lee Shau Kee Business Building and about 62 EV charging spaces. Overcoming 19m topography and heavy lab equipment challenges, it exemplifies innovative, sustainable academic infrastructure.

Project Feature

Daniel & Mayce Yu Research Building exemplifies holistic sustainability in design, construction, and operations. It integrates carbon neutrality via PV systems, eco-refrigerants, district cooling, and EV charging to cut emissions. Resource conservation includes water recovery and tree preservation. Energy efficiency features radiant cooling, advanced ventilation, and VSDs. Waste management emphasizes longevity and hazard control for resilient, user-focused performance.

