



For Immediate Release

Singapore University of Technology and Design's academic campus,
designed by UNStudio and DP Architects, is officially completed

WEDNESDAY, 3 JUNE 2015 (SINGAPORE) – After nearly five years since the design was conceived, the new East Coast campus for Singapore University of Technology and Design (SUTD), has finally opened. This project was designed by UNStudio and DP Architects. They were the architects for Phase 1 of the academic buildings for SUTD's most recent campus.

SUTD, Singapore's latest public funded university, is established in collaboration with MIT and offers a unique multi-disciplinary education, focusing on Architecture and Sustainable Design, Engineering Product Development, Engineering Systems and Design, and Information Systems Technology and Design. DP Architects and UNStudio's design scheme reflects SUTD's new pedagogic model of inter-disciplinary and collaborative learning. The academic campus design offers an opportunity to embrace innovation and creativity through a non-linear connective relationship between students, faculty, professionals and the spaces they interact with.

"We believe that interaction is the key to a progressive educational model," said Jeremy Tan, Director, DP Architects. "The campus enables open and inclusive interaction between students and faculty members from the four academic pillars, through meetings at the various collaborative spaces, such as the Campus Centre. To foster innovation, the campus needs to allow for flexible solutions to ever-changing needs, which is why meeting spaces, classrooms and laboratories can adapt to different arrangements, addressing the evolving requirements of the university as the versatile curriculum develops."

The institution's academic facilities are connected through a seamless network of organised spaces and paths. Facilities within the SUTD campus are not housed within individual buildings, but distributed and overlapped through each block of the site. Classrooms, laboratories and meeting rooms are spread over the various connecting blocks. These help to amplify moments of interaction between disciplines. With boundaries blurred, the campus architecture becomes an incubator for communication, creativity and innovation.

To support the university's focus on sustainable design and to ensure a comfortable learning environment, environmental sustainability was built into the design for the SUTD academic campus, particularly through passive building design. Building geometries carve a wind corridor for ideal wind flow through the outdoor gathering spaces such as internal courtyards. Tree shaded walkways also serve as the external circulation route around SUTD to encourage a walkable, low carbon campus. Landscape design, with low water consuming native landscape species, weave through the external areas into the building fabric through pockets of planters along corridors and on the sky gardens and green roofs, reducing the urban heat island effect in the overall campus. Building orientation, inter-block shading as well as shading by corridors kept the building space cooling energy requirements low, while solar analysis and daylighting simulation tools were employed to achieve the ideal balance between daylighting qualities and shade to minimise heat gain from the windows. These translated into the design for effective shading devices and glass performance.

DP Architects is the architect of many educational institutions in Singapore, including the multiple-award winning Republic Polytechnic, Institute of Technical Education College West and National University of Singapore's University Town.

Additional Notes

SUTD by Numbers:

- Year of Completion: 2015
- Site Area of Academic Campus: approximately 83,000sqm
- Building Height: Seven storeys

Project Team:

Client

Singapore University of Technology and Design

Architect

UNStudio and DP Architects

Structural Engineer

Parsons Brinckerhoff Pte Ltd

M&E Engineer

CPG Consultants Pte Ltd

Quantity Surveyor

CPG Consultants Pte Ltd

Landscape Consultant

Surbana International Consultants Pte Ltd

ESD Consultant

DP Sustainable Design Pte Ltd

Acoustics Consultant

Acvicon Acoustics Consultants Pte Ltd

About DP Architects

Founded in 1967, DP Architects was one of the firms responsible for the urban landscape of Singapore. Now a leading architectural practice in Asia with over 1,200 staff and 15 offices worldwide, the firm provides a range of services from architecture, urban planning, landscape design, infrastructure design, engineering, sustainable design and interior design to project management. DP Architects has a long history in a wide variety of projects with a particular expertise in vast undertakings such as Suntec City, Esplanade-Theatres on the Bay and The Dubai Mall. Recent landmark projects include Resorts World Sentosa and Singapore Sports Hub. The firm was founded with a deep concern for the built environment and the need to create architecture of excellence that enriches the human experience and spirit. Sensitive to their context and the environment, DP Architects' projects aim to improve the quality of life of the people using the buildings and spaces.