

SHARING KNOWLEDGE
BUILDING SUCCESS

Surbana
Jurong
Academy





Projects delivered in 207 cities across 51 countries

our story

For over 50 years, we built homes, created cities and improved infrastructures in Singapore and abroad. In 2013, we decided to share our expertise with the world by setting up an Academy. It has been an enriching and exciting exchange of knowledge and experience.

Our programmes bridge the gap between theory and practical knowledge. They are conducted by leading experts who have delivered numerous projects across the globe: from China, India and Vietnam to Angola, Burundi and Kazakhstan.

Why do we do it? We believe experience and expertise are precious resources that should be shared. We have programmes to suit the needs of government officials, professionals or technical specialists, regardless of where you are in the world.

Our depth of experience and breadth of expertise comes from being part of Surbana Jurong, with a tremendously successful track record in developing urban and infrastructure projects.

At Surbana Jurong, our reach is global with projects delivered in 207 cities across 51 countries. We have more than 4,000 employees of 40 nationalities, in 26 offices across Asia, Africa and the Middle East.

our core programmes

Led by a panel of experts, our five core programmes are executive courses for senior professionals and practitioners. You will gain insights into Singapore's successful urbanisation, and learn how to adapt the Singapore model to suit other markets.



1 Housing and Township

With Singapore's success as a touchstone, we examine how to design high-density, public housing. Learn how Singapore housed a nation and see theory in practice, with a visit to a public housing estate.

Our comprehensive course gives you the big picture, covering policy, design and implementation, socio-economic considerations, cost-effective technology and long-term maintenance plans.

Core Modules

- Policies and Governance for Public housing – Singapore's Story
- Design Principles of Housing and Townships – 7 DNAs
- Pre-Fabrication Technology
- Maintenance of Township
- Estate Renewal Programmes
- Programme Management
- Study Visit to Singapore's Housing Estates



Deputy Chief Executive Officer, Urban Development
Low Cher Ek

“Singapore's triumph in housing a nation offers many lessons for urban planners. We'll share practical ways to apply these insights and provide affordable homes for all.”

With over 25 years of experience, Cher Ek has held senior roles in design and planning at Singapore's Housing and Development Board (HDB), giving him unique insights into the country's housing success.



2 Urban Planning

Whether you're planning a city from scratch or rejuvenating an older town, this course presents a comprehensive approach that is sensitive to both aesthetics and everyday needs. We look at how to integrate the many aspects of a sustainable city: socio-economic, infrastructural, and environmental.

Core Modules

- Regional Positioning, Visioning and Programming
- Base Mapping and Integrated Data Management
- Integrated Urban and Regional Planning
- Place Making, Urban Design and Heritage Conservation
- Integrated Transportation Planning and Management
- Integrated Water Management
- Master Plan Implementation



Senior Consultant,
Surbana Jurong
Planning Group

Jeffrey Ho

Jeffrey's numerous international award winning master plans and urban design projects include China's Tianjin Eco City, Vietnam's Haiphong Industrial Park, Amaravarti City in India, and Al Khor and Al Wakra in Qatar. In Singapore, he is an expert panel member in various government bodies, as well as an adjunct lecturer in tertiary institutions.

"We see urban planning as a fusion of art and geometry. In SJ Academy's Urban Planning course, We will show how art, technology, economics and philosophy are harmonised into a single sustainable master plan."



04

3 City Management

In this course, we look at how to keep a city running well. We address the importance of proper maintenance, and how this can be carried out in a sustainable way.

We'll show how to use information and communications technology (ICT) in handling residents' feedback, how to take a life-cycle management approach to infrastructure, and how to manage your vendors to get your dollar's worth. Visits to Town Councils, which manage the municipal concerns of neighbourhoods, provide an on-the-ground look at maintenance systems in action.



03

4 Industrial Park Planning and Design

From planning and design to implementation and management, this programme takes you through every stage of developing an industrial park. We start with the big picture, looking at policies and governance, as well as sustainability. We then cover the details of master planning and infrastructural design, down to how you can market and brand your industrial space.

Core Modules

- Principles of Maintenance Management and Strategies for Property Asset-value Enhancement
- Township Maintenance Management Framework for Public Housing in Singapore
- Applied Technology for Managing Urbanised Township and Municipalities



Deputy General
Manager, Smart City

Lee Yew Weng

At Singapore's public housing authority, Housing and Development Board (HDB), Yew Weng played a key role in developing the lift performance tracking system used today. He is also behind the estate management system used by all Town Councils in Singapore, and developed a customisable software platform for managing assets – used for institutional buildings, industrial parks, airports and hospitals both at home and abroad.

"A great township is one that is both liveable and sustainable. This requires maintenance strategy leveraging on good governance and technologies innovations. We'll share how you could do so while managing your costs wisely."

Core Modules

- Industrial Strategies and Policies
- Sustainability
- Master Planning and Infrastructure Design
- Investment Promotion
- Project Financing and Management
- Infrastructure Design and Industrial Park Management



Deputy Director,
Urban Planning
and Design

Wilfred Loo

With over 27 years of experience, Wilfred has worked on projects in over 15 countries in various regions, from Singapore, Southeast Asia, China and India to the Middle East, Africa, Russia and Kazakhstan. In Surbana Jurong, his industrial-related work includes strategic industrial positioning studies and master plans for industrial townships, special economic zones, industrial parks and specialised parks.

"Industrial parks are crucial growth engines for most economies. In this course, we'll share with you the key factors necessary for the thoughtful planning and effective development for optimal performance."

5

SJ Technologies and Solutions

Technology is what gives us our edge. In this course, we share how we use cutting-edge methods to design and construct buildings that are safe, high-quality, yet also cost-effective. We also look at technology use in implementing, managing and maintaining urban developments and infrastructure.

Core Modules

- Building Technology
- Design Technology
- Analytics in Urban Solutions
- Sustainability Design
- Smart City
- Infocommunications Technology (ICT) System in Township Management



Director, Architecture, Township, BIM and Design Technology

Patrick Lee
(Design Technology)

“Good design is sensitive to needs and context. Such sensitivity is best augmented through the harnessing of technology. This is how we break new grounds into paradigms previously inconceivable.”

Patrick has a vast portfolio of award-winning projects. These include Singapore's first eco-friendly public housing project Treelodge@Punggol, which won both local and foreign accolades such as the Green Good Design Awards 2010 from the European Center For Architecture Art Design And Urban Studies.



Director, Architecture and Building Technology

Tong Cherng Yaw
(Building Technology)

“Building Technology is a key component of the built environment. We'll assimilate the evolution of technology development to unfold the innovation in design.”

Cherng Yaw has over 22 years of experience in fields including architectural design, urban planning and sustainable design in projects spanning Singapore to Abu Dhabi. He is tasked to incorporate technologies initiatives and drive innovation across the business. A certified [TCY] Green Mark Professional and UD assessor, he represents the Singapore Institute of Architects as a domain expert in good practices for industrial building design.



Manager, Sustainable Urban Solutions

Tan Szue Hann
(Sustainability)

“In building for the future, sustainability is paramount. We'll share what you need to consider in designing for sustainability.”

Szue Hann is a registered architect and a certified manager in the Building and Construction Authority's (BCA) Green Mark scheme. His expertise has been sought after at conferences such as the BCA International Green Building Conference 2013 and 2015, and the World Architecture Festival 2014. In 2015, he was named Singapore's Young Green Architect of the Year by the BCA and the Singapore Green Building Council.

our credentials

Why choose us?



At SJ Academy, the knowledge we share is the secret to our success by none other than our highly experienced practicing professionals with established track records. They have built 26 townships, reshaped coastlines and reclaimed islands, and developed industrial and petrochemical hubs.

Discover how our experts developed highly successful urban and infrastructure projects. Learn what lies behind the more than a million homes we built in Singapore, the master plans we created for over 30 countries, and the 49 industrial parks we developed around the world.

As a key player in Singapore's public housing journey over the decades, we have a wealth of insights to share. In 2015, Deputy Prime Minister Tharman Shanmugaratnam named Singapore's public housing design as a key factor behind the country's continued cohesion and economic vitality.

Our programmes include on-the-ground site visits that go beyond the classroom. We offer exclusive opportunities to network with senior leaders and experts. Just as Surbana Jurong has built an impeccable reputation for urban solutions, SJ Academy has established itself as a training provider of choice.

our programmes

What we offer.



Flexibility is our philosophy. We take a three-tier approach because we know that different participants have different needs. For the busy decision maker, our executive programme ranges from three to ten days, with a big-picture focus on policies and strategic issues.

Both our technical programme and our management programme take an in-depth approach to imparting specific knowledge. They could range from weeks to a few months, depending on your schedule.

At SJ Academy, we know that how you learn is just as important as what you learn. We offer everything from workshops and group sharing to hands-on learning and site visits.

We share our expertise with you through 50 carefully-curated modules, covering the vast scope of Surbana Jurong's services. In our core executive programmes, these modules are grouped to give participants a comprehensive overview of each topic.

You'll also have a pick of 20 diverse electives, with something to cover every interest. We offer electives in specialised fields such as healthcare, coastal engineering, aviation and land reclamation, as well as broader topics like sustainable solutions and public-private partnerships. Take the chance to engage in a dialogue with former and current senior public servants, or make visits to public agencies.

GROWING KNOWLEDGE



We were glad to have SJ Academy's consultants sharing not just their experience, but relevant expertise from their work with the Singapore government. It truly enhanced the Myanmar Ministry of Construction's knowledge in urban and infrastructure planning.



Kong Wy Mun (2015)

Chief Executive Officer,
Singapore Cooperation Enterprise

testimonials

GAINING INSIGHT



We have much to learn from Singapore's success story in housing her people. We gained valuable insights from the programmes in SJ Academy, especially on how housing designs evolved over time to meet people's aspirations.



Výõng Mí Vãng (2014)

Provincial Standing Deputy Secretary, Ha Giang province's
Chairman of People Committee

SHARING EXPERTISE



As a valued partner, SJ Academy shares their expertise in sustainable urban solutions with the senior government officials who attend the executive training programmes. That's one key feature of our training programmes: bridging the gap between classroom theory and the real-world experience.



Professor Liu Hong (2014)

Director of Nanyang Centre for Public Administration

We can customise programmes to fit your requirements.
Please feel free to let us know your needs at sjacademy@surbanajurong.com

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