



# ICBT

INFORMATION, COMMUNICATIONS  
& BUILDING TECHNOLOGIES

Innovate with **Digital Engineering**  
**Decarbonise** with Sustainable Solutions



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# INFORMATION, COMMUNICATIONS & BUILDING TECHNOLOGIES

ATAL Information, Communications and Building Technologies (ICBT) is one of the business segments of ATAL Engineering Group. We offer design, installation and servicing of information and communication technologies, intelligent systems and green building solutions. By incorporating big data analytics into practices, we help you realise your data's true potential and achieve optimal operation. With our in-house R&D capabilities, all solutions can be tailor-made in accordance with your specifications, catering for any applications. Our deep insights into different industry sectors also enable us to provide customers with guidance on every step of the process, ensuring smooth and successful implementation.

## ICBT is specialised in two fields

### Digital Engineering

ATAL Information, Communications and Building Technologies (ICBT), part of the ATAL Engineering Group, specialises in digital engineering for smart and green buildings. We offer comprehensive solutions, including digital twins, ICT infrastructure, sustainable energy initiatives, Extra-Low Voltage (ELV) systems, security, and smart controls. Our services meet the needs of property owners, facility managers, and ESG stakeholders. Committed to innovation and sustainability, ICBT transforms built environments into intelligent, connected spaces that enhance efficiency and safety.



### Green and Sustainable Products

Our green products maximise energy efficiency and minimise environmental impact. We offer a range of air-conditioning systems, sewage and water equipment, and lighting solutions focused on energy savings. Committed to renewable energy technologies, we aim to reduce carbon footprints and provide environmentally responsible alternatives to meet today's demand for sustainability.



## Multidisciplinary Expertise and R&D Capability

Our multidisciplinary expertise and strong R&D capabilities enable us to address complex challenges holistically. Instead of fragmented solutions, we offer tailored insights that consider your entire needs. Our team includes certified IT specialists, security experts, and software engineers focused on innovation, along with green building professionals holding certifications like CEM®, LEED AP®, and WiredScore AP Office, ensuring we deliver cutting-edge solutions for your specific goals and sustainable success.

## Seamless Project Lifecycle Management

Our comprehensive one-stop solution encompasses every stage of your project, from design and supply to manufacturing, installation, and maintenance. This integrated approach ensures seamless coordination and efficiency, allowing us to deliver tailored solutions that meet your unique requirements. With our commitment to quality and customer satisfaction, we manage the entire lifecycle of your project, providing you with peace of mind and exceptional results every step of the way.

## Proven Track Records Across All Sectors

We have successfully delivered projects across a diverse range of sectors, including office, retail, infrastructure, data centres, residential, education, and exhibition facilities. Our extensive experience ensures that we understand the unique challenges and requirements of each sector, enabling us to provide tailored solutions that drive success.



# IT INFRASTRUCTURE AND CONNECTIVITY



## IT Network Infrastructure

Provides robust connectivity and security for smart city operations, integrating technologies to optimise data flow and reliable communication. This includes Wi-Fi systems for high-speed wireless access, ensuring seamless connectivity across urban environments.



## IoT Infrastructure

Connects smart city devices and systems using advanced protocols for real-time monitoring and automation. This enhances data collection and analysis to improve urban efficiency and sustainability.



## Cybersecurity

Protects critical digital assets through multi-layered defence and proactive monitoring. We ensure system integrity and confidentiality, safeguarding infrastructure against unauthorised access and disruptions.



## Connectivity

Utilises protocols such as LoRa, Z-Wave, Bluetooth, Zigbee, BACnet, Modbus, RESTful, and MQTT to enable seamless data exchange. These solutions enhance interoperability for integrated, automated systems.



## Computer Server, Storage and Cloud

Delivers scalable server architectures and high-capacity storage for data-driven cities. Cloud integration ensures secure, on-demand resource access for efficient data management and application scaling.

# SMART APPLICATIONS

## AI Analytics



### Digital Twin

Our centralised control platform leverages interactive 3D visualisation to deliver real-time monitoring, analytics, alerts, and predictive maintenance. Designed for smart facilities management, it enhances tenant satisfaction and supports ESG management, creating a responsive and efficient building environment that meets modern sustainability goals.



### Real-time ESG Dashboard

A real-time ESG dashboard provides organisations with instant insights into their environmental, social, and governance performance. By integrating various data sources, it allows for constant monitoring and analysis of sustainability metrics. This tool supports informed decision-making, enhances transparency, and fosters accountability, ultimately driving improvements in responsible business practices.



### Wellness Analytics

Wellness analytics utilise data-driven insights to enhance individual and organisational health outcomes. By analysing metrics such as physical activity, mental well-being, and nutrition, these tools identify trends and areas for improvement. This proactive approach fosters a culture of wellness, enhances employee engagement, and supports informed decision-making for healthier lifestyles.



### Semantic AI Energy Optimisation (Cloud and On-premise)

Utilising E&M domain knowledge and physics-guided machine learning, this solution automatically optimises energy consumption based on actual operations. By enabling real-time optimisation, it ensures efficient energy use while maximising sustainability across facilities.



### Semantic AI Video Analytics (Cloud and On-premise, Edge analytics)

Uses AI and edge analytics to analyse video feeds in real-time, enhancing safety and security in public spaces across cloud or on-premise deployments. By detecting anomalies and monitoring crowd behaviour, it provides timely insights to support proactive measures and improve public safety outcomes.



### Semantic Big Data Fault Detection and Diagnosis (FDD)

FDD enables instant detection of irregularities, uncovering hidden or unnoticed faults. It offers valuable insights into severity, identifies root causes, and provides actionable recommendations, ensuring timely resolution and enhanced system reliability.

### Semantic Big Data Predictive Maintenance: Condition-Based Maintenance

This advanced solution harnesses big data analytics to anticipate equipment failures before they occur. By analysing historical and real-time data, it provides actionable insights and recommendations, enabling proactive maintenance strategies that enhance operational efficiency and reduce downtime.

# SMART APPLICATIONS

## Intelligent Infrastructure

## User Experience and Management Systems



### Border Control Facilities – e-Channel

The e-Channel service provides a contactless immigration clearance solution for residents and visitors. It employs facial verification technology to facilitate self-service immigration processes, allowing users to reduce contact with shared equipment and enjoy faster, more convenient, and hygienic clearance experiences.

### Border Control Facilities – Automatic Vehicle Clearance Support System (AVCSS)

We provide efficient and secure immigration and customs clearance at border checkpoints, applying automation and biometric technology. The streamlined immigration process enables travellers to experience efficient and responsive services, and has also helped border control operators increase their capacity and reduce manpower needs.



### Smart Lamppost

Smart lampposts collect real-time data on air quality and traffic flow while supporting 5G connectivity. By integrating various technologies, they help improve urban management and enhance residents' quality of life.

### Robotic Solution Integration

Covers robotic and drone solutions for urban management, surveillance, delivery, and inspection. These systems automate tasks to enhance efficiency, precision, and safety across various industries. By integrating artificial intelligence and real-time data, they optimise workflows, reduce human error, and enable innovative applications, transforming traditional business practices.



### Smart Facility Management System

Our Smart Facility Management System streamlines the reservation process for spaces and resources. User-friendly and efficient, it allows easy scheduling for meetings, events, and shared facilities, ensuring optimal use of available resources and improved organisation.

### Asset Management System

An asset management system for smart buildings streamlines the tracking and maintenance of building assets, such as equipment and facilities. By utilising real-time data and analytics, this system enhances operational efficiency, reduces costs, and ensures optimal performance. It supports sustainable practices, ultimately contributing to improved occupant comfort and building longevity.

### Smart Washroom

A smart washroom integrates advanced technologies to enhance hygiene, convenience, and user experience. Features such as automated fixtures, sensors, and real-time monitoring improve cleanliness and efficiency. This innovative approach promotes sustainability, reduces water consumption, and provides valuable data for maintenance, ensuring a more comfortable and hygienic environment for users.



### Real-Time Location System

A real-time location system (RTLS) uses advanced tracking technology to monitor the precise location of assets, personnel, or vehicles within a defined area. By providing instant visibility, RTLS enhances operational efficiency, improves asset management, and ensures safety, making it invaluable in sectors such as healthcare, logistics, and manufacturing.

### Tenant Mobile App

Enhances the rental experience by providing residents with convenient access to services, including maintenance requests, rent payments, and community notifications. The app uses AI and big data to optimise temperature setpoints for increased thermal comfort and energy savings, while fostering communication between tenants and property management to streamline everyday tasks.

### Smart Office

A smart office combines advanced technology with a focus on employee comfort and wellness. Integrating wellness monitoring apps, it tracks air quality, lighting, and temperature to optimise the workspace. This environment fosters productivity, enhances collaboration, and promotes a healthy work-life balance, ultimately leading to increased employee satisfaction and engagement.



# CONTROL AND AUTOMATION SYSTEMS

## Building and Home Automation

## Industrial Automation Solutions



### Building Management System (BMS)

Integrates and automates building systems to enhance energy efficiency, occupant comfort, and safety through real-time monitoring and tailored performance solutions.



### Hotel Guestroom Control System (RCU)

Enhances guest comfort with seamless control of lighting, temperature, and entertainment, ensuring a personalised experience while optimising operational effectiveness.



### Home Automation System

Provides effortless control over lighting, heating, security, and appliances, enhancing convenience and energy efficiency with solutions tailored to your lifestyle.

## Power and Lighting Management



### Power Quality Management System (PQMS)

Ensures stable energy usage by proactively monitoring and mitigating disturbances to enhance reliability, reduce costs, and maintain optimal performance.



### Advanced Metering Infrastructure System (AMI)

Formerly known as the Automatic Meter Reading (AMR) system, the Advanced Metering Infrastructure (AMI) provides metering data, status outputs, and applicable alert signals for the operation and monitoring of the Water Supplies Department's (WSD) smart metering system.



### Lighting control

Manages and optimises illumination through automation and smart technology. Systems adjust brightness and colour based on occupancy or time of day to improve comfort and energy efficiency.



### Supervisory Control and Data Acquisition System (SCADA)

Delivers real-time monitoring and control, enabling enhanced data analysis and informed decision-making for diverse industrial applications and critical infrastructure.



### Programmable Logic Controller (PLC)

Offers robust automation and control capabilities for the precise management of industrial processes, enhancing operational efficiency, reliability, and adaptability.



### Data Centre Infrastructure Management (DCIM)

Optimises resource utilisation and provides real-time monitoring to ensure the reliability, performance, and operational efficiency of data centre operations.

# SECURITY AND ELV SOLUTIONS

## Surveillance and Monitoring



### Video Surveillance System (CCTV)

Enhances security by monitoring and recording activities, deterring crime, and providing evidence for safety.



### Visitor Management System

Streamlines check-ins with pre-registration and real-time tracking, ensuring a seamless and secure experience for both guests and hosts.



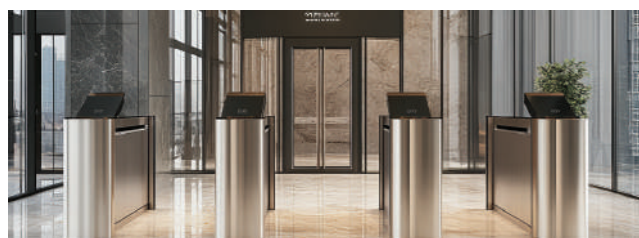
### Security Management System

Expertly manages entry to secure areas. Using cutting-edge technology and tailored solutions, we enhance safety and protect assets, providing peace of mind for clients.



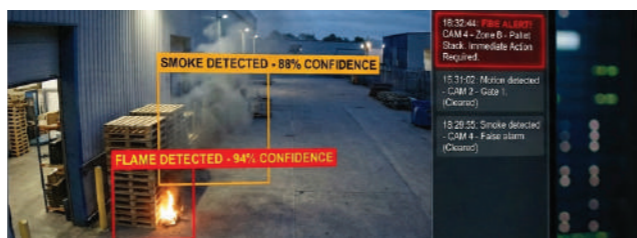
### Access Control – Biometric (such as Palm Vein and Face Recognition), QR Code, Bluetooth, and NFC

Utilises advanced technologies to ensure secure, convenient entry and robust security with flexible access options for authorised users.



### Security Turnstile

Offers controlled access for high-traffic secure areas, ensuring only authorised individuals can enter while maintaining a smooth flow of people.



### AI Fire Detection System

Utilises artificial intelligence to analyse video or sensor data for early smoke and flame detection, providing instant alerts for rapid emergency response.

## Communication Systems



### Public Address System / BGM

Delivers clear audio communication and background music via wireless microphones and strategic speaker placement for effective public announcements.



### Audio & Visual System (AV)

Provides seamless integration of sound and visual technologies, ensuring high-quality presentations and immersive experiences for conferences and events.



### Walkie Talkie System Fireman Communication System

Offers instant, two-way communication for efficient coordination in critical environments like construction sites and emergency security operations.



### Door Entry System

Our Door Entry System offers reliable access control, allowing only authorised individuals to enter secure areas.



### Perimeter Security and Home Security

Safeguards property by creating secure boundaries using surveillance cameras, motion detectors, and fencing systems to deter intruders.

# SUSTAINABLE ENERGY INITIATIVES

## Energy Efficiency Solutions



### Energy Management Service

Optimises energy usage through real-time monitoring and analysis, helping organisations reduce costs, enhance efficiency, and promote sustainability via smart technology integration.

### Retro-commissioning (RCx) Service

A systematic process that fine-tunes existing building systems to improve energy performance and occupant comfort by rectifying operational issues.

### Energy Audit

Assesses building consumption across HVAC, lighting, and insulation to provide actionable recommendations that lower energy bills and minimise carbon footprints.

### Energy Retrofit Service

Upgrades facilities with energy-efficient technologies to reduce consumption and enhance overall building performance.



## Renewable Energy & Power Infrastructure Technologies



### Solar PV System

Includes standard PV panels, Building Integrated PV (BIPV), and solar pavement to efficiently harness sunlight for electricity generation while maintaining aesthetic functionality.

### Solar Thermal and Cooling System

Utilises solar energy for water heating and cooling, reducing reliance on conventional power sources and improving building sustainability.

### Wind Turbine System

Converts wind energy into clean electricity, supporting sustainable power generation and significantly reducing carbon emissions.



### Battery Energy Storage System (BESS)

Captures and stores surplus electricity from renewable or grid sources for later use. This "energy buffer" enhances grid stability, provides reliable backup power, and allows for peak shaving to reduce energy costs.

### EV Charging System

Provides essential infrastructure for electric vehicles, ranging from standard to fast-charging solutions. These systems support the transition to clean mobility and reduce urban emissions.



# GREEN PRODUCTS

## HVAC Equipment and Systems

### Scroll/Screw/Centrifugal/Oil-free Chiller

Our range of chillers delivers efficient cooling for diverse applications, optimising performance and energy savings. All offerings comply with the latest HFO refrigerant regulations in Hong Kong, with AI chiller optimisation control available to further enhance operational efficiency.



### Heat Pump / Heat Recovery System

Provides efficient temperature control and energy savings by harnessing renewable energy sources to optimise heating and cooling for various industrial and commercial applications.



### Cooling Tower / Closed Type Cooler / Evaporative Condenser / Dry Cooler / Radiator

Delivers versatile and efficient heat rejection solutions. This expanded range optimises cooling performance and energy efficiency across a wide variety of infrastructure and industrial settings.



### PICV with Energy Measurement

Combines pressure independent control with integrated thermal energy metering. This allows for real-time monitoring of energy consumption while ensuring precise water distribution and balanced performance across HVAC systems.



### Desiccant Dehumidifier / Dehumidification System

Offers effective moisture control, enhancing air quality and comfort while optimising energy use for various industrial and commercial environments.

### Automatic Tube Cleaning System

Utilises energy-saving sponge balls circulating repeatedly through chiller condenser tubes to prevent contamination and enhance heat exchange efficiency.



### UV Potable Water Disinfection System

Utilises ultraviolet light to effectively eliminate harmful microorganisms, ensuring safe drinking water with minimal chemical use.

### Filtration System

Designed to remove contaminants and impurities from both water and air, enhancing quality and safety for residential, commercial, and industrial settings.

### VAV Box

Integrates DDC control technology with air terminal units to ensure precise and efficient airflow management for both VAV and CAV systems.

### Venturi Valve and Lab Control System

A scalable system designed to regulate and monitor individual fume cupboards and clean rooms to ventilate entire laboratory buildings.

### Various Types of Air-conditioner

Our air-conditioner range includes multi-split, split, and window units, as well as Variable Refrigerant Flow (VRF) systems. These solutions provide flexible and energy-efficient climate control, allowing for simultaneous heating and cooling tailored for diverse commercial and residential applications.

### Chilled Beam

Utilises chilled water to remove sensible heat, providing energy-efficient cooling and ventilation. This quiet solution ensures high occupant comfort through uniform air distribution while optimising energy use.

# GREEN PRODUCTS

Sewage and Water Equipment

Lighting Solutions

## DCS Underground Pre-insulated Pipe (PIP) for Chilled Water Supply, Ductile Iron (DI), Mild Steel, HDPE PE100RC and Stainless Steel Pipes

Our comprehensive range of piping solutions includes Ductile Iron, Mild Steel, HDPE, Stainless Steel, and PIP(DCS) pipes. Engineered for durability, versatility, and corrosion resistance, these systems ensure the efficient transport of water, sewage, gas, and chemicals across diverse industrial and commercial applications.



## Penstocks, Stoplogs, Flap Gates, Flood Gates and Barriers

Engineered for precision flow control and robust protection, these solutions are ideal for managing water levels in reservoirs and safeguarding critical infrastructure. Our systems ensure the safety of valuable assets through durable, high-performance designs tailored for diverse water management applications.



## LED Façade Lighting



## LED Lighting

Our LED Lighting solutions enhance spaces with vibrant energy efficiency, ideal for façades, landscape illumination, displays, and signage, providing striking aesthetics while reducing energy consumption and maintenance costs.

## Landscape Lighting



LED Display & Signage

## Transparent LED Display



Flexible LED Display

# SIGNATURE PROJECTS

## e-Channels

Voted as "Hong Kong People Engineering Wonders in the 21<sup>st</sup> Century" by HKIE

The e-Channel is an automated border control system built to enhance the efficiency of immigration processes for passengers and vehicles. The system incorporates various technologies to enable transformation of the immigration procedure from traditional manned clearance counters into self-service immigration clearance. By leveraging the smart identity card and biometric verification technologies, the e-Channel system comes with a wide range of pre-installed features such as fingerprint scanning, optical character recognition and radio-frequency identification, streamlining the clearance procedure and enhancing the handling capacity.

### Scope of work related to ICBT

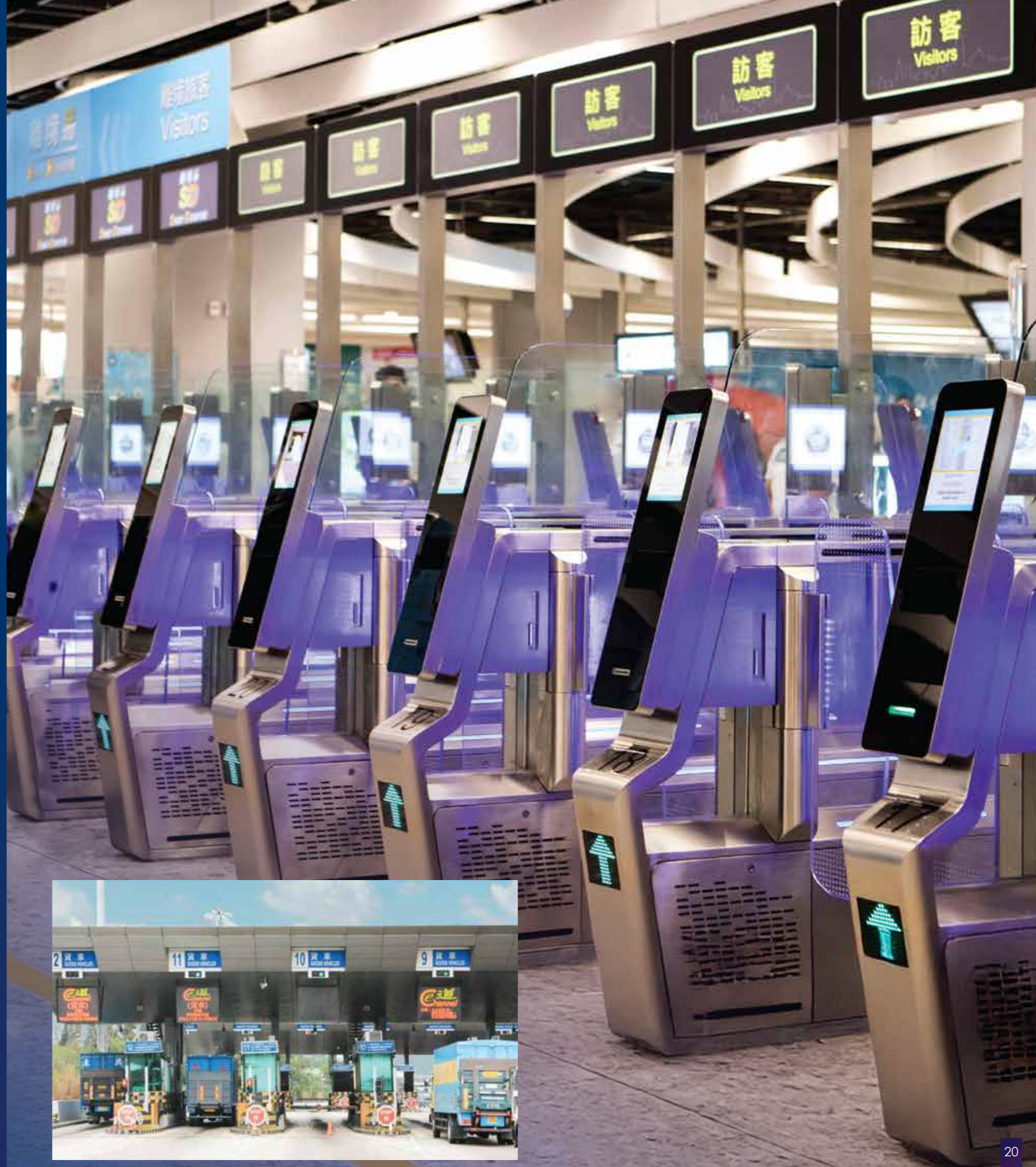


#### Border Control Points with Automated Passenger Clearance System

- ▶ Guangzhou-Shenzhen-Hong Kong Express Rail Link - Hong Kong Section
- ▶ Hong Kong International Airport
- ▶ Lo Wu
- ▶ Hung Hom
- ▶ Lok Ma Chau
- ▶ Lok Ma Chau Spur Line
- ▶ Man Kam To
- ▶ Sha Tau Kok
- ▶ China Ferry Terminal
- ▶ Macau Ferry Terminal
- ▶ Tuen Mun Ferry Terminal
- ▶ Shenzhen Bay
- ▶ Kai Tak Cruise Terminal

#### Border Control Points with Automated Vehicle Clearance System

- ▶ Liantang-Heung Yuen Wai
- ▶ Hong Kong-Zhuhai-Macao Bridge
- ▶ Lok Ma Chau
- ▶ Shenzhen Bay
- ▶ Man Kam To
- ▶ Sha Tau Kok



# SIGNATURE PROJECTS

## Hong Kong-Zhuhai-Macao Bridge Boundary Crossing Facilities

The world's longest sea-crossing bridge-cum-tunnel, Hong Kong-Zhuhai-Macao Bridge (HZMB) is a spectacular structure that links Hong Kong, Zhuhai and Macao. Comprising the 12km Hong Kong Link Road, the 29.6km Main Bridge and the 13.4km Zhuhai Link Road, it puts major cities in the Pearl River Delta within a three-hour commute of Hong Kong.

ATAL's HZMB contracts covered the provision of water supply facilities, sewage treatment facilities, lifts, integrated building services solutions, and e-Channels for vehicle and passenger clearance. All works took place at the 130-hectare Hong Kong Boundary Crossing Facilities (HKBCF) - an impressive array of buildings and transport facilities on an artificial island to the northeast of the Hong Kong International Airport.

### Scope of work related to ICBT



ICT

Automated Vehicle Clearance System

Automatic Vehicle Clearance and Support System (AVCSS)

- Hardware and software development of real-time control, surveillance and clearance system, vehicle tracking system (VTS) and vehicle information display system (VIDS).



Intelligent Control & Automation

Building Management System (BMS)

Supervisory Control and Data Acquisition System (SCADA)



Security & ELV

1,000 CCTVs at the vehicle kiosks



Vehicle Information Display (VID)



# SIGNATURE PROJECTS

## Hong Kong Convention and Exhibition Centre (HKCEC)

The Hong Kong Convention and Exhibition Centre (HKCEC) is located in Wan Chai, built along the renowned Victoria Harbour. HKCEC consists of three major components which are Phase 1, Phase 2 (New Wing) and the Atrium Link, offering a total GFA of 306,000 square metres. Hundreds of world congresses, local conferences, meetings, and seminars are held annually at the HKCEC. HKCEC has become one of the world's most impressive meeting and exhibition venues.

### Scope of work related to ICBT



IoT

Smart Building Platform

- Preventive Maintenance System
- Drawing and Manual Management System

LoRaWAN Network Infrastructure

IoT Sensors



Energy Optimisation

Energy Analytics



Intelligent Control & Automation

Building Management System (BMS)



Security & ELV

Walkie-Talkie System

Carpark Control System



Architectural Lighting & LED

Architectural Lighting System



# SIGNATURE PROJECTS

## Hong Kong Science Park (HKSTP)



Hong Kong Science Park is the home to multidisciplinary research facilities, innovation spaces for businesses of all sizes with the objective of building a community that lives and breathes innovation. It also serves as a test bed and stimulates professional exchange, investor matching, business development and commercialisation.

### Scope of work related to ICBT



#### Intelligent Control & Automation

- Integrated Building Management System (iBMS)
- Building Management System (BMS)
- Lighting Control System



#### Energy Optimisation

- HVAC Control Optimisation System



#### Security & ELV

- Audio & Visual System



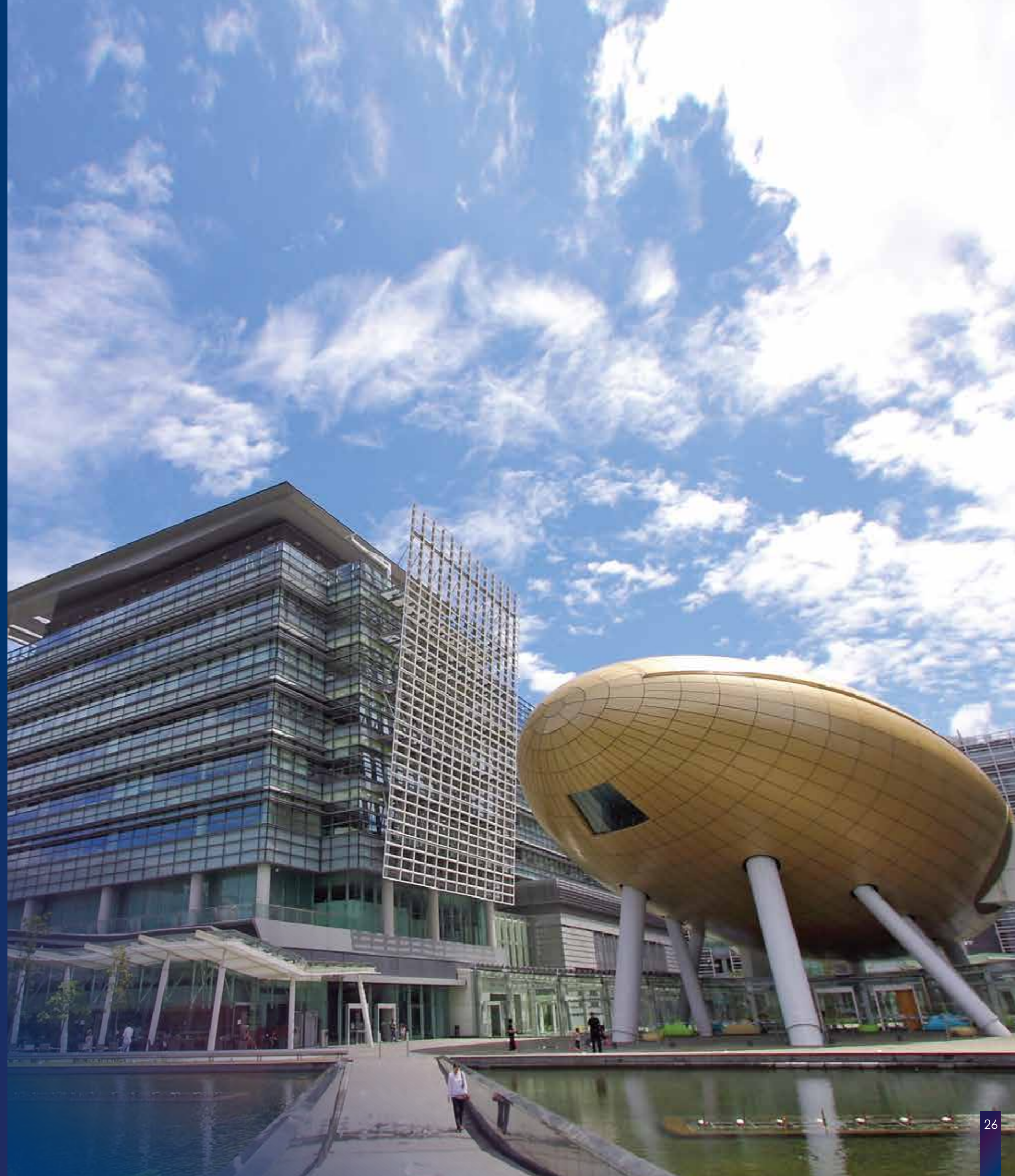
#### Air Conditioning

- VAV Box
- Chilled Beams
- Lab Control System (Venturi & PPS Fast Response Air Valve)
- Automatic Tube Cleaning System
- Pressure Independent Balancing Control Valve (PIBCV)



#### Renewable Energy

- Solar PV System
- Solar Cooling System



# SIGNATURE PROJECTS

## Two International Finance Centre (Two ifc)



The International Finance Centre (ifc) is a premier integrated commercial development on the waterfront of Hong Kong's Central District. A prominent landmark on Hong Kong Island, ifc consists of two office skyscrapers, the ifc mall, and a 55-storey luxury hotel. Standing 88 floors tall and measuring 420 metres, Two ifc is the second tallest building in Hong Kong with a GFA of 2 million square feet. The ifc mall, with a GFA of 800,000 square feet, houses more than 200 international premium brands and Michelin-awarded restaurants, making it an iconic destination for shopping, dining and entertainment in Hong Kong.

### Scope of work related to ICBT



**Intelligent Control & Automation**

Building Management System (BMS)



**Energy Optimisation**

Energy Management System

Power Management System



# SIGNATURE PROJECTS

## One Taikoo Place & Two Taikoo Place



One and Two Taikoo Place are the crown jewels of Swire Properties' redevelopment in Quarry Bay. These triple-grade-A office towers redefine the modern workplace with sustainable design, expansive floor plates, and floor-to-ceiling windows offering Victoria Harbour views, seamlessly connecting global businesses within a vibrant, world-class commercial hub.

### Scope of work related to ICBT



**ICT**

IT Structure Cabling (for Security & ELV System)  
Network System (for Security & ELV System)



**IoT**

Smart Building Platform  
LoRaWAN Network Infrastructure  
IoT Sensors



**Energy Optimisation**

Chiller Plant Energy Management Platform



**Intelligent Control & Automation**

Building Management System (BMS)  
Lighting Control System



**Security & ELV**

CCTV System  
Security and Access Control System  
Public Address (PA) System  
Intercom System  
Walkie-Talkie System  
Watchman Tour System  
CABD  
Carpark Control System



**Air Conditioning**

VAV Box  
Automatic Tube Cleaning System



**Renewable Energy**

Solar PV System



# PROJECT REFERENCE

## Commercial & Office Premises

**One Island East**  
Taikoo Place, Quarry Bay



**Oxford House**  
Taikoo Place, Quarry Bay



**International Gateway Centre (IGC)**  
West Kowloon



**Exchange Square**  
Central



**Nina Tower**  
Tsuen Wan



**The Twins**  
Kai Tak



**Five Pacific Place**  
Wan Chai



**Lincoln House**  
Taikoo Place, Quarry Bay



**International Commerce Centre (ICC)**  
West Kowloon



**Lee Garden Three**  
Causeway Bay



**The Quayside**  
Kwun Tong

## Government and Public Facilities

**EDB Kowloon Tong Education Services Centre**  
Kowloon Tong



**Shek Pik Prison**  
Shek Pik



**Western Wholesale Food Market**  
Sai Wan



**Ko Shan Theatre**  
To Kwa Wan



**North Point Government Offices**  
North Point

## Healthcare, Laboratories & Clean Rooms

**Queen Mary Hospital**  
Pok Fu Lam



**United Christian Hospital**  
Kwun Tong



**Yan Chai Hospital**  
Tsuen Wan



**Tuen Mun Hospital and NTW Hospital Clusters**  
Tuen Mun, New Territories (West)



**Hong Kong Sanatorium & Hospital, HKSH Eastern Medical Centre**  
Happy Valley, Shau Kei Wan



**Ruttonjee Hospital**  
Wan Chai



**Union Hospital**  
Sha Tin

## Residential Buildings



## Infrastructure & Industrial Developments



# Retail

**The Southside**  
Wong Chuk Hang



**Elements**  
Kowloon Station



**Citywalk & Citywalk 2**  
Tsuen Wan



**Peak Tower**  
The Peak



**Hysan's Portfolio**  
Causeway Bay



**Festival Walk**  
Kowloon Tong



**apm**  
Kwun Tong



**Skypark - The Forest**  
Mongkok



**Citygate - Citygate Outlets & The Silveri Hong Kong - MGallery**  
Tung Chung



# Hospitality and Leisure

**Four Seasons Hong Kong**  
Central



**The Upper House**  
Pacific Place, Admiralty



**Sheraton & Four Points Hotel**  
Tung Chung



**Ritz-Carlton Hotel & JW Marriott Hotel**  
Galaxy, Macau



**Hong Kong Golf & Tennis Academy**  
Sai Kung



**Pacific Place Apartments**  
Pacific Place, Admiralty



**City of Dreams**  
Cotai, Macau



**EAST Residences**  
Quarry Bay



# Education

**Hong Kong Baptist University**  
Kowloon Tong



**Hang Seng University of Hong Kong**  
Sha Tin



**Hong Kong International School**  
Repulse Bay & Tai Tam



**Hong Kong Institute of Vocational Education**  
Tsing Yi



**Kellett School**  
Kowloon Bay



**Shrewsbury International School**  
Tseung Kwan O





**Information, Communications & Building Technologies**

Tel: (852) 2565 3399 | Email: [icbtmarketing@atal.com](mailto:icbtmarketing@atal.com) | [www.atal.com](http://www.atal.com)

ATAL Engineering Group

