

Press Release

FOR IMMEDIATE RELEASE

Surbana Jurong Launches Integrated Smart City Solutions

“Smart City in a Box” enables city officials to track, monitor and manage cities better

Singapore, 11 July, 2016 – Surbana Jurong Private Limited announced today that it has launched its first batch of integrated Smart City Solutions, beginning with eight modules with strategic technology partners.

Dubbed ‘Smart City in a Box’, it is an integrated set of solutions with a dashboard that allows city officials to load customisable applications (Apps) in four key areas – security, efficiency, sustainability and community, enabling them to track, monitor and manage cities better.

Some of the Apps provided in the first batch include:

- Sustainability: energy saving e.g. smart lighting, energy usage monitoring
- Security: facial recognition technology, water quality monitoring, smart lock, fire and smoke detection
- People: feedback and engagement
- Efficiency: asset upkeep and maintenance

Working with Surbana Jurong’s city planners, customers can choose to deploy the relevant Apps from this set of solutions. A survey conducted by Surbana Jurong amongst city leaders on Smart City readiness in conjunction with the World City Summit, revealed that over two thirds of city leaders listed that they are reliant on other cities for water and a quarter are also reliant on other cities for ICT services. Such high level of interdependence points to a need for a coherent and standardised set of technology solutions to manage city operations. The Smart City in a Box aims to address this need.

Said Mr Wong Heang Fine, Group CEO of Surbana Jurong: “‘Smart City in a Box’ is yet another offering we provide in our one-stop complete value chain consultancy services for urban and infrastructure developments. SJ is in the best position to infuse a city planner’s and developer’s perspective into our integrated smart city solutions. This ensures that the solutions deployed are in synch and better integrated with their overall development plans. Our solutions are also backed by more than 30 years’ experience in managing real life smart solutions for Singapore’s towns.”

Added Mr Wong: “Up till now, Smart City technologies are deployed on a piecemeal basis and are often focused on technologies rather than how technologies can best help to run a city and benefit the communities and businesses living and interacting there. We have developed an integrated smart cities solution that is easy to deploy, customise, maintain, and at the same able to upscale over time as cities develop. Taking a leaf from how consumers use Apps in their daily lives, we realised that city planners

also need the same convenience of a plug and play integrated solution to manage cities. Our Smart City in a Box will also enable city planners to plan with the end in mind, and collate and analyse big data over time to deploy solutions to deal with specific problems. We aim to be the first stop and one stop for administrators managing townships and cities”

Surbana Jurong’s integrated smart city solutions were developed from over 30 years of experience deploying its proprietary Integrated Estate Management System (IEMS) in Singapore’s public housing estates. The IEMS helps to monitor, relay, and analyse information to facilitate estate management.

Quotes from our partners

Said Mr Puspanathan K, Chief Operating Officer from ZWEECC, "ZWEEC, a leader in video analytic solutions, is pleased to partner Surbana Jurong in launching this ‘Smart City in a Box’ to offer a range of sustainable water quality management and intelligent surveillance solutions to ensure the safety & security of the community."

“Here in DNV GL, global impact for a safe and sustainable future is our vision, also underpinning our partnership with Surbana Jurong. We believe Surbana Jurong shares the same ideals espoused through tangible smart city solutions that engage the community, provide the security, promote sustainability and enhance efficiency. This is a symbiotic relationship and DNV GL is proud to be a strategic partner to Surbana Jurong.”, mentioned Mr Kees-Jan van Oeveren, Singapore GM from DNV GL

“By engaging our services through ‘Smart City in a Box’, one can mitigate fire risks effectively with our innovative early warning Smoke & Fire Detection Camera; conduct covert intelligence gathering with our Social Media Monitoring solution, or even safely immobilise a potentially dangerous vehicle with our Vehicle GPS Tracking System. Security is every smart city’s priority and AETOS offers a unique suite of reliable and customisable technology solutions to forge safer and resilient communities of tomorrow,” shared Mr Robin Littau, Vice President Business Development of AETOS Holdings Pte Ltd.

IE Singapore Group Director, Kow Juan Tiang said: “SJ is introducing disruptive technology to help cities operate and manage themselves through its innovative ‘Smart City in a Box’ platform. Working with global and Singapore’s leading solution providers, SJ is now able to diagnose and prescribe smart solutions to tackle modern urbanisation issues such as Security and Efficiency. SJ’s integration with its partners will result in the development of a product lifecycle management toolkit for cities.”

SMART CITY IN A BOX

SJ has developed a set of apps based on the four pillars of a Smart City - Sustainability, Efficiency, People and Security. These apps can be used independently or in conjunction with other apps for a seamless monitoring and management.

SUSTAINABILITY



ENERGY MANAGEMENT

Gathering energy usage data through meters in buildings to advise clients how to mitigate the energy usage.



WATER MANAGEMENT

Detect water quality by using camera analytics to examine marine life in water.



CLIMATE CHANGE AND FLOOD MODELLING

Tool that allow users to model flooding and climate change, particularly in cities that are in a conceptual stage.

EFFICIENCY



SMART LIGHTING

Sensors and controllers in light fittings that allow light to dim if no presence is detected, saving energy and expenditure.



PREDICTIVE LIFT MAINTENANCE

Enables the analysis of data received from sensors installed in lifts to predict breakdowns.



TRAFFIC MONITORING

Cameras with video analytics installed at highways to detect traffic jams, accidents and other traffic misconduct.

PEOPLE



ITOWN

A mobile app allowing users to conveniently take pictures of defects and submit feedback to city councils.



SMART HOME

A system that can control both locally and remotely, the air-con and lighting curtain of home.



ELDERLY MONITORING

Installation of sensors in homes to detect the well-being of elderly persons and their movements.



SMART TOILET

Sensors that detect if the toilet is wet or has run out of toilet paper, enabling the deployment of cleaners based on need rather than scheduled cleaning.



FIRE & SMOKE DETECTION

Cameras and video analytics that detect fire and smoke.



FACIAL RECOGNITION

Cameras and laptops with stored data used to identify blacklisted individuals.

SECURITY



SMART CCTV

Usage of cameras and video analytics to facilitate people-counting, illegal intrusion, objects left unattended and vehicle plate recognition.



BEHAVIOUR ANALYTICS

Cameras that detect persons who may be drowning in a pool.



About Surbana Jurong

Surbana Jurong is one of Asia's consultancy powerhouses for urbanisation and infrastructure developments.

We have a distinguished track record in shaping Singapore's urban and industrial landscape over the last 50 years and we deliver total urbanisation, infrastructure and engineering solutions to support sustainable social and economic growth for our clients.

Our multi-disciplinary team of specialists provides one-stop complete value chain consultancy services harnessed through years of successfully completing a wide array of projects in more than 200 cities in over 50 countries worldwide. We have designed and completed more than a million homes in Singapore, completed masterplans for over 30 countries and developed more than 50 industrial parks around the world.

In June 2015, Surbana Jurong acquired two companies - KTP Consultants Pte Ltd in Singapore and Sino-Sun Architects & Engineers Co. Ltd in China. These two acquisitions grew our staff strength by 25%, strengthened our infrastructure development capabilities and brought our market reach in China to 16 cities.

We announced in November 2015 that we had taken up a 20% equity stake in China's CITICC (Africa) Holding Limited, a USD300 million investment platform set up between International Financing Company (IFC), a member of the World Bank Group and Chinese multinational construction and engineering company, CITIC Construction Co., Ltd – which would see us potentially developing 30,000 affordable homes in Africa in the next five years.

Surbana Jurong also took up a 8.4% stake (USD 9.25 mil) in an American software company, FLUX Factory, Inc, a spin-off from Google X, which builds collaborative cloud-based software tool used for building design, urban solutions and master planning, which will grow our sustainable and building design capabilities.

With over 600 international and local awards under our belt, we have what it takes to understand, anticipate and exceed our clients' expectations. Today, Surbana Jurong employs over 4,000 employees from 40 nationalities in 26 offices across Asia, Africa and the Middle East.

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For media enquiries, please contact:

Alvin Hang
Group Director, Group Corporate Communications
T: 6248-1100 | alvin.hangwy@surbanajurong.com

Tian Zhiyuan
Senior Specialist, Group Corporate Communications
T: 6839-8529 | Zhiyuan.tian@surbanajurong.com