

Webinar: Development and Evolution of a Sustainable City and Community

To Build Sustainable Community through Innovations

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An aerial photograph of a modern architectural complex. The left side is dark with orange text. The right side shows a large, golden, egg-shaped structure supported by four white pillars, situated in a courtyard surrounded by multi-story buildings with glass facades. The HKSTP logo is in the top right corner.

BUILDING A SUSTAINABLE COMMUNITY THROUGH INNOVATION & TECHNOLOGY

THOMAS CHAN

SENIOR MANAGER, GREEN TECHNOLOGY CLUSTER

HONG KONG SCIENCE & TECHNOLOGY PARKS CORPORATION

HKSTP 

HONG KONG SCIENCE PARK

THE MELTING POT OF RESEARCH & DEVELOPMENT



HONG KONG SCIENCE PARK

ESTABLISHED IN 2002

4 million sq ft
R&D Office
& Lab Space

900 Tech Enterprises,
Park Companies
from **23** nations

9,000 R&D workers,
Total Population
~13,000

AI & Robotics, Biotech, Fintech, Smart Cities

Leading Technology
Incubator in HK with
420+ start-ups

Investment Raised:
HK\$29.7B by Park co.
(FY17/18 to FY19/20)

70+ private and public
sector partnerships

KEY MILESTONES – 18 YEARS

UNICORNS



INCUBATION

80% graduates still in business

28 4 IPO & 24 M&A

INVESTMENT



HK\$600M HKSTP Ventures Investment Fund

1:13x leverage of private capital by HKSTP Ventures

COMPREHENSIVE PROGRAMMES

IDEA

STARTUPS

GROWTH

MATURITY



ELITE



MARKET ADOPTION

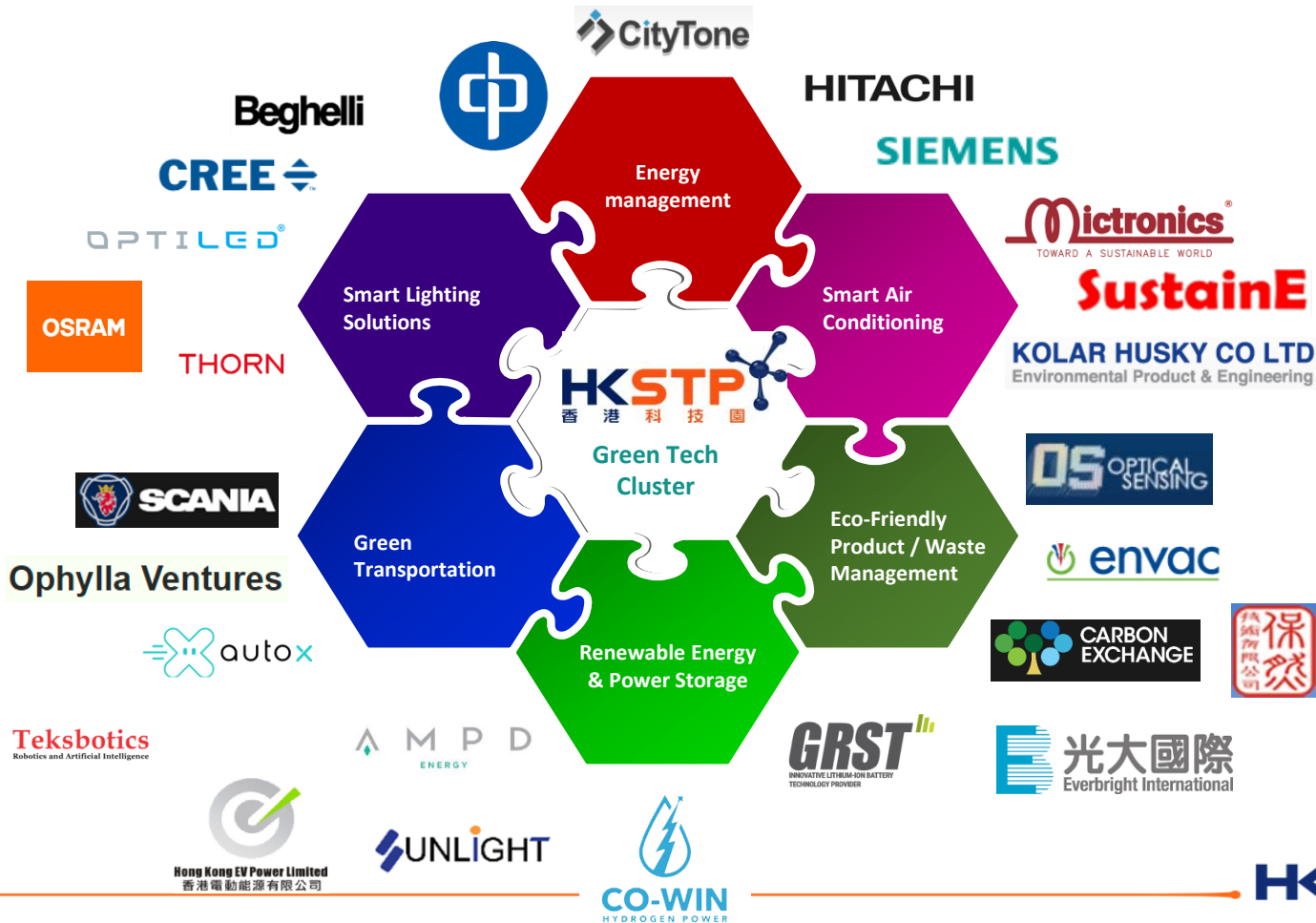
70+ partnerships with corporations & public sector



Deloitte.



HKSTP GREEN TECHNOLOGY CLUSTER



HONG KONG SCIENCE PARK

Nurturing an Innovation Culture to Tackle Social Problems



Mobility

● Environment

● Business

●

Living

SMART MOBILITY

Autonomous Driving in Hong Kong Science Park



1st commercial Electric Public Transport Hub in HK suitable for Minibus & Coach in 2021

Pave way to remove roadside pollutions

Science Park
科學園Park

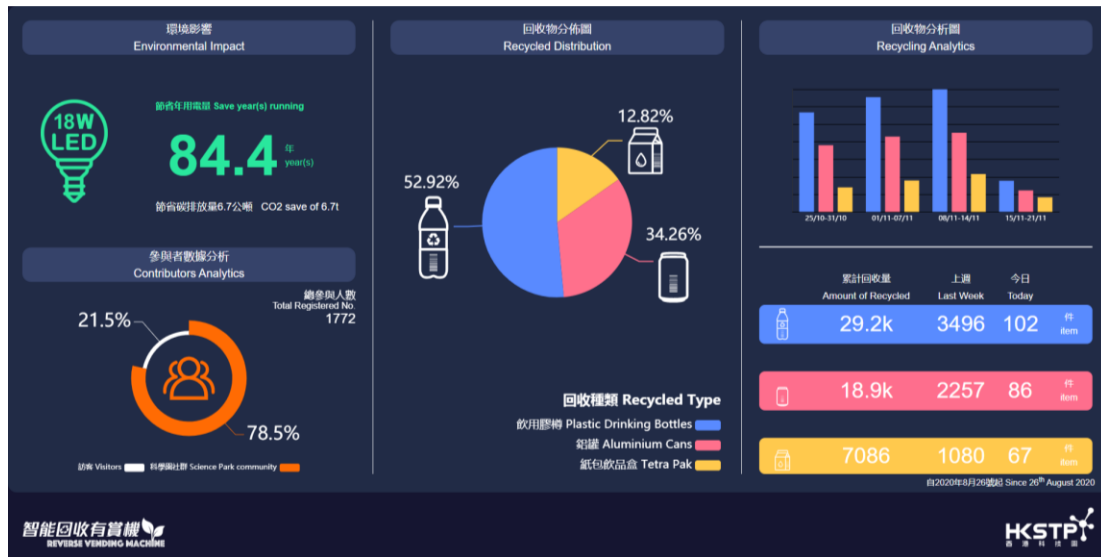


1st Autonomous Self-Driving Vehicle Shuttles Services in Science Park in 2021

Last mile Convenience & safe

REVERSE VENDING MACHINE

Collecting Bottle, Can and Tetra Pak Drink Box



7 Reverse Vending Machines in total in Hong Kong Science Park

An effective way to collect recycle material with spending incentives within the SP community

A CIRCULAR ECONOMY

Materials

Styrofoam



Paper-coated with PE



Bio-degradable and compostable lunchbox



100 Years +

Treatment

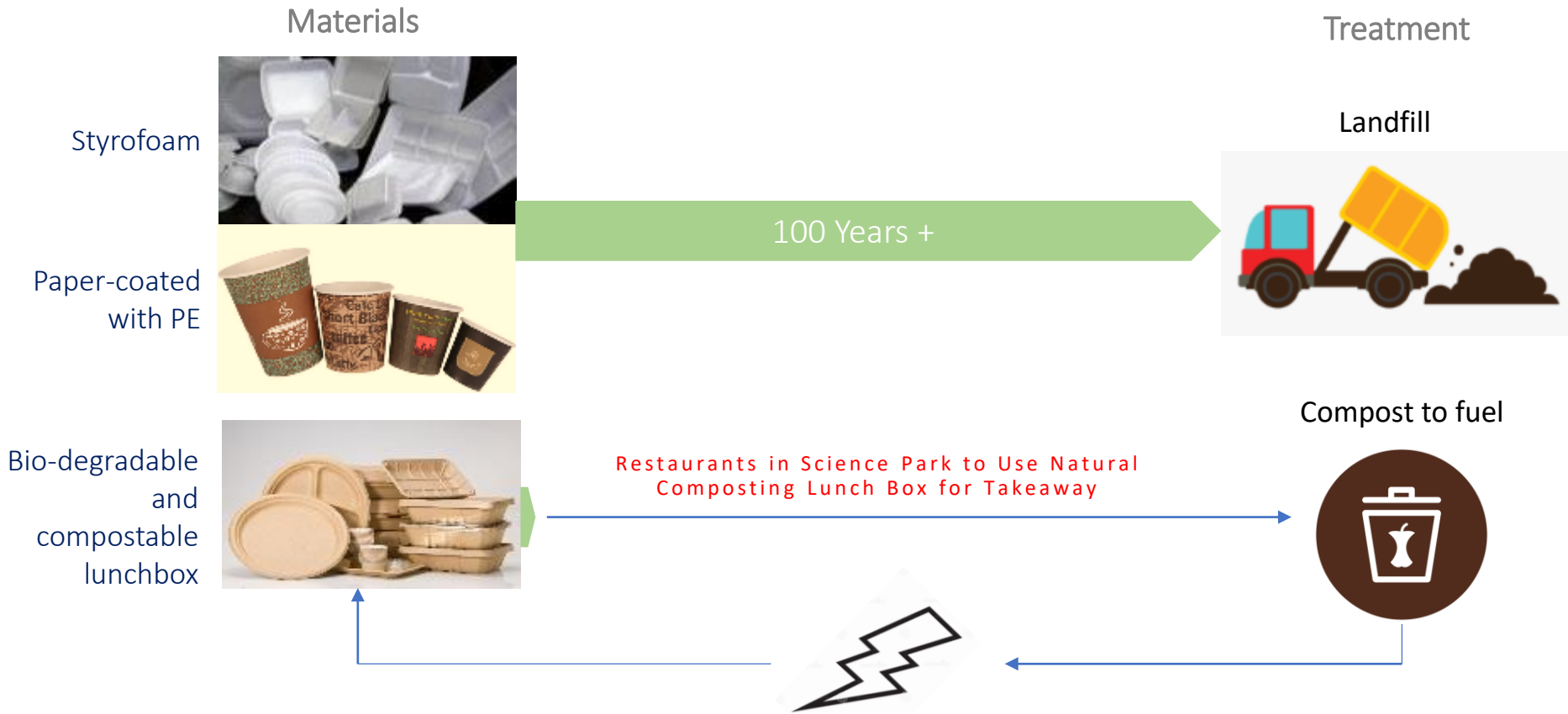
Landfill



Compost to fuel



Restaurants in Science Park to Use Natural Composting Lunch Box for Takeaway



UNMANNED SHOPS

Reduce Operating Cost While Enhancing Shopping and Dining Experience



Unmanned shop



24-hrs storage & pick-up



Working Hours
0800 – 1800
(Self-service after 1800 with smart locker)

Robotic Kitchen

INNOCELL

First-commissioned multi-storey building in Hong Kong using Modular Integrated Construction (MiC) Technology



A showcase for modern smart living and co-creation culture for the R&D communities

Location:	Science Park
Land Area:	2,990m²
GFA:	15,300m²
Storey :	17
Units for accommodation:	391
Purpose of land use:	Residential Institution
Target Year of Completion:	Late 2020

BUILDING A SUSTAINABLE COMMUNITY

An Integrated, Collaborative and Sustainable Environment
By Nurturing and Innovate Technology Community



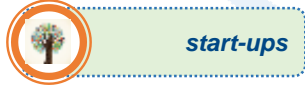
Government



Industries



Academia



start-ups



Smart City Trial Site



Innovation Economy





Quality of Life

<https://smartcampus.hkstp.org/>

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