Welcome to the second Sustainability Report of the Hong Kong Science and Technology Parks Corporation (HKSTP). In this report, we provide an update on our economic, social and environmental activities for the period from 1st April 2014 to 31st March 2015.

Using a theme of “Ignite Strong Momentum”, the report focuses on the sustainability initiatives over which we have direct management control related to our operations at Hong Kong Science Park, InnoCentre, and three Industrial Estates in Tai Po, Tseung Kwan O and Yuen Long.

The report also addresses how we work with our business partners towards a greener and more sustainable future for our community as a whole, and how we are committed to acting as a role model for small and large businesses alike driving them to adopt sustainable policies and technologies.

This report has been prepared with reference to the Environmental, Social and Governance (ESG) Reporting Guide issued by the Hong Kong Exchanges & Clearing Limited (HKEx) and the G4 Sustainability Reporting Guidelines (core option) of the Global Reporting Initiative (GRI). The content index at the end of this report provides cross-references to the ESG and GRI indicators and recommended disclosures.
ABOUT HKSTP

Hong Kong Science and Technology Parks Corporation (HKSTP) is a statutory body dedicated to building a vibrant innovation and technology ecosystem to connect stakeholders, nurture technology talents, facilitate collaboration, and catalyse innovations to deliver social and economic benefits to Hong Kong and the region. Established in May 2001, the Corporation has been entrusted with the mission to strengthen Hong Kong’s position as a regional technology hub by promoting innovation, technology development and commercialisation of five technology clusters: Biomedical Technology, Electronics, Green Technology, Information & Communications Technology and Materials & Precision Engineering.

HKSTP manages Hong Kong Science Park, InnoCentre and three Industrial Estates located in Tai Po, Tseung Kwan O and Yuen Long. On the technology incubation front, HKSTP offers full service incubation programmes to cater to the needs of different technology start-ups. Our incubation programmes enable innovative ideas to mature into award-winning, practical and market-oriented products and services.

Throughout the past decade, HKSTP has nurtured hundreds of start-ups to flourish and grow, attracted top-notch international companies to share their knowledge, and built a critical mass of innovative companies which deliver inventions that address societal needs. With this critical mass, the Corporation has embarked on another stage of its journey to connect the dots and reach out to all our stakeholders in the community to drive for stronger momentum of growth amongst industries that build upon innovation and technology.

As of 31 March 2015, HKSTP has attracted more than 510 technology companies, both local and international, which employ a workforce of close to 11,300 in Science Park.
Sustainability is core to our mission at HKSTP. Since our establishment in 2001, we have been at the forefront of Hong Kong’s evolution as an innovation and technology hub, helping to diversify our economic base, deliver social benefits and enhance environmental quality. All three factors – economy, society and environment – are fundamental to Hong Kong’s sustainable development.

As the leading technology incubator in Hong Kong, our charter is to reinvigorate our economic and industrial base through our core clusters in Biomedical Technology, Electronics, Green Technology, Information & Communications Technology and Materials & Precision Engineering. We are also leveraging the growing depth of Science Park companies to create technology platforms in healthy ageing, advanced robotics and smart cities.

In terms of our own operations, one area of significant progress during the year is waste reduction, in particular food waste. Many of our Science Park restaurants enrolled in our “Foodwise” programme, including discounts for flexible portion sizes and customers’ use of “bring your own” reusable food containers. We complemented this by expanding our food waste collection scheme, through which around 2 tonnes of kitchen waste are now recycled each month.

Another key highlight was the opening of Science Park Phase 3, a new paradigm for sustainable building which adds another nearly 800,000 gross square feet to the park.

Phase 3 is the first of its kind in Hong Kong to adopt electricity sub-meters that enable partner companies to see hour-by-hour how much power they use for their lighting, air conditioning and office operations. Other innovations include the hybrid ventilation system with openable office windows, provisions for partner companies to directly manage and pay for their own air conditioning, all-electric restaurant kitchens, and electric vehicle (EV) charging in all 350 parking spaces for drivers to charge their cars.

Beyond all of these important initiatives, our role in driving innovation means helping to drive behavioural change as well. In a resource-constrained city such as Hong Kong, we can prosper only by learning to manage smarter and leaner. In this regard we aim to be an agent for sustainable practice, and will continue to embrace inclusive and innovative sustainability throughout our activities.

We also welcome the chance to share with and learn from our stakeholders, so that together we can collaborate towards a more sustainable future. It is, after all, part of our charter to harness science and innovation to make Hong Kong a better place for all.

Mr Allen Ma
Chief Executive Officer
Mr Allen Ma
Chief Executive Officer
MANAGING SUSTAINABILITY

OUR CORE VALUES

HKSTP enables science and technology companies to nurture ideas, innovate and grow, supported by our R&D facilities, state-of-the-art infrastructure, market-led laboratories and technical centres with professional support services. We also offer value added services and comprehensive incubation programmes for technology start-ups to accelerate their growth.

Our commitment towards sustainability is embedded in our core values. This means we are proactive in engaging our stakeholders, run our operation with integrity, and strive for excellence towards sustainable development with safety and quality as our highest priorities.

SUSTAINABILITY GOVERNANCE AT HKSTP

HKSTP’s commitment to sustainable development is driven by the Sustainability Working Group (Working Group), comprising the CEO (as chair), the five chief officers from the top-management, and senior representatives from key functional departments.

PROACTIVE

We are proactive in engaging our stakeholders.
We understand their needs and will take the initiative to better serve them to create a brighter future for all.

INTEGRITY

We run our operation with integrity.
We always act ethically, treating everyone with honesty and respect, and we follow through on commitments we make.

EXCELLENCE

We drive for excellence in our operation.
We execute with focus and agility to drive for sustainable growth and development; and we put safety and quality as our highest priorities.

COLLABORATIVE

We facilitate collaboration that maximises synergy.
We understand the needs of our shareholders and are proactive in orchestrating partnerships that drive growths.

ENTERPRISING

We embrace an enterprising spirit.
We think big and are bold in driving towards new horizons. We are innovative in fostering entrepreneurs to develop products and services that will benefit our society.
Supported by an in-house Sustainability Team, the Working Group’s prime role is to approve and monitor the progress of HKSTP’s sustainability roadmap, with targets to the year 2021 for energy, waste, water, transportation, health and safety, green purchasing, staff satisfaction and community engagement.

SUSTAINABILITY REPORTING

HKSTP published its first Sustainability Report (for the year 2013-14) in October 2014. In line with our Sustainability Policy, the report covers our aspirations and progress in the areas of governance, environment, health and safety, employees and community engagement.

Similar to our first Sustainability Report, this 2014/15 report, was prepared in accordance with the ESG (Environment, Social and Governance) Guidelines of the Hong Kong Stock Exchanges & Clearing Ltd, and the G4 Sustainability Reporting Guidelines of the Global Reporting Initiative (GRI), and was also verified by an independent assurance agency.
HKSTP’s Sustainability Policy

HKSTP aspires to advance innovation and technological development in the most sustainable manner. To this end, we are committed to:

- achieving the highest standards of corporate governance
- being recognised as a socially-responsible employer of choice
- becoming a role model for safety and health in the workplace
- embracing best practices in environmental stewardship
- engaging our stakeholders and reporting on our sustainability progress

Sustainability Roadmap (2013 – 2021)

- **CUT** transportation emissions by **10%**
- **REDUCE** energy consumption by **25%** in Phases 1 and 2
- **ENSURE** 30% of products purchased followed green procurement requirements
- **SLASH** landfill waste by **35%**
- **DOUBLE** the number of engagement activities
- **RAISE** the amount of community activities by **20%**
- **INCREASE** health and safety awareness of staff and partner companies by **20%**
SAFETY, HEALTH AND ENVIRONMENTAL (SHE) MANAGEMENT

Safety, health and environmental protection are of paramount importance to HKSTP. Our SHE management system adopts a risk-based approach to identify and minimise the potential for SHE incidents and to mitigate their consequences. Our goal is to ensure that all of our employees can perform their work in a safe environment and need not worry about injury or illness from work-related occurrences.

Our SHE management system is underpinned by our independent certification to OHSAS 18001 (for occupational health & safety) and ISO 14001 (for environmental management). Both systems extend beyond our corporate offices to cover our laboratories and public areas. HKSTP was also the first corporation in Hong Kong to obtain certification of its ISO 50001 Energy Management System. We maintained our third-party certification of these management systems throughout 2014/15 with zero non-conformities identified during our external audits.

Day-to-day implementation of the SHE management system is coordinated by two SHE Sub-Working Groups, which report to a Central SHE Working Group chaired by the CEO, each of them focuses separately on general and laboratory SHE matters. Simple-to-follow procedures and guidelines are in place for our employees and also – where relevant – to our occupants, contractors and service providers.

PROCUREMENT PRACTICES

Sustainability for HKSTP extends beyond our own operations, facilities and personnel. We also advocate the partnership approach to help expand our reach to a wider community and introduce best practices across our broader value chain of partner companies, incubatees, customers, suppliers, contractors and service providers and into the community we belong.

We engage a range of suppliers and contractors in our day-to-day operations including (but not limited to) offices products, laboratory supplies and equipment. Our two most significant areas of procurement are our facility management services at the Science Park, InnoCentre and Industrial Estates, the construction of Science Park Phase 3.

Each of our service contractors are requested to comply with our SHE Policy when they conduct their works, and we provide guidelines to them through our SHE Handbook. We also invite representatives from our key service providers to participate in our SHE Sub-Working Groups, whilst our evaluation process also includes our suppliers’ and contractors’ in their ability to fulfill green requirements.

ENGAGING OUR STAKEHOLDERS

HKSTP consults with stakeholders on a regular and ongoing basis to elicit suggestions on day-to-day operations and future development. We employ a wide variety of communication channels, ranging from one-on-one interviews to meetings, forums and social media, to help us gain a better understanding on stakeholders’ concerns. What we learn enables us to identify how we can improve our performance and better reflect the needs of the community in our work.
### Managing Sustainability

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<tr>
<th>Stakeholders</th>
<th>Engagement Channels</th>
<th>Key Topics</th>
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</thead>
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| **Staff**                             | • CEO “Town Hall” meetings  
• Regular departmental meetings  
• Intranet, circulars and emails  
• Social activities  
• Training & performance appraisals | • Training and development  
• Occupational health and safety  
• Staff benefits  
• Equal opportunities  
• Waste recycling |
| **Partner Companies & Incubatees**    | • SPARK membership programme  
• “Monthly MINGLE”  
• Customer satisfaction surveys  
• Intranet & circulars  
• SHE audits & inspections | • Facilities/laboratory services  
• Safety, health & environment  
• Business growth and funding  
• Product commercialisation |
| **Grantees**                          | • Networking Personnel Club  
• Factory visits  
• Circulars and emails | • Transportation & recruitment  
• Hygiene & landfill odour  
• Sustainability initiatives |
| **Suppliers & Contractors**           | • Contractor performance evaluation  
• Intranet, circulars and emails  
• Safety audits and SHE inspections  
• Regular meetings | • Service quality  
• Safety, health & environmental performance |
| **Community**                         | • Outreach events and programmes  
• Educational visits & tours  
• Website, newsletters & social media  
• Publicity & promotion | • Community programmes  
• Operational updates  
• Safety, health, environment & sustainability |
| **Regulatory Authorities, Government Departments** | • Regular & ad-hoc meetings  
• Committee meetings  
• Green Technology Taskforce meetings | • Governance performance  
• Economic performance  
• Compliance |
| **Professional Bodies & NGOs**       | • Educational visits & tours  
• Participation in committees  
• Campaign and event participation  
• Speaking opportunities | • Sustainability best practices |
| **Universities & Research Institutions** | • Career and internship opportunities  
• Final year project for students  
• Research support collaboration | • Internship opportunities  
• Collaboration opportunities |
DEFINING MATERIAL ISSUES

The content for this 2014/15 Sustainability Report has been shaped by a review of local media reports, new developments in government policies, industry reports relating to sustainability, and the GRI and ESG reporting guidelines. This was followed by consultation with the heads of key departments to help identify the sustainability issues which most likely will have an impact on our operations.

The aspects identified form a key input to our sustainability roadmap and related action plans, and also take into account the views of external stakeholders received during our on-going engagement activities. Looking forward, we are dedicated to broadening our engagement with external stakeholders to gain a deeper understanding of the issues that interest them.

<table>
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<tr>
<th>Sustainability category</th>
<th>Material aspects</th>
<th>Aspect boundaries</th>
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<td>Directly controlled by HKSTP</td>
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<td>Economic</td>
<td>Economic performance</td>
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<td>Market presence</td>
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<td>Materials</td>
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HKSTP continues to contribute to the growth and diversification of Hong Kong’s economic development through nurturing technology start-ups and catalysing applied innovations in the business and industrial fields. To achieve these goals HKSTP provides a range of value-added services and support to companies within five key technology clusters covering three over-arching platforms.

**FIVE KEY TECHNOLOGY CLUSTERS:**

- **Biomedical Technology** – Providing laboratory space and research facilities to life science and biomedical companies to enable innovations in medical devices, diagnostics, therapeutics, personal care, and regenerative and traditional Chinese medicine.
- **Electronics** – Facilitating R&D and rapid prototyping to accelerate the process from design to production to commercialisation.
- **Green Technology** – Science Park serves as a living laboratory where green technology solutions can be developed and tested to help create a more sustainable economy.
- **Information & Communications Technology** – Enabling fast development in cloud computing, big data analytics, IoT, and 5G wireless technology so as to create smarter integrated solutions.
- **Materials and Precision Engineering** – Exploring the use of new materials and precision engineering that can support the launch of innovative consumer and industrial products.

**THREE OVER-ARCHING PLATFORMS:**

- **Healthy Ageing** – Covering intelligent home care, regenerative medicine, home care robotics, IoT and big data analytics for health management.
- **Robotics** – Going beyond industrial robots to embrace areas such as edutainment, surgical robots, assistive devices and many others.
- **Smart City** – In support of the government’s initiative to improve the lives of citizens through intelligent transport, energy, healthcare, environmental and smart home applications.

In the past year we have welcomed 86 new partner companies to our expanding innovation ecosystem, including:

- Swedish auto firm Scania, which has chosen Science Park as its first R&D centre in Asia.
- DJI, the world’s biggest maker of consumer unmanned aerial vehicles.
- Infineon, a world leader in the development of semiconductors and systems for automotive, industrial and multimarket segments.
- Gold Peak Electronics, a market leader in audio products.
- Kuang Chi Science, which aims to revolutionise communications with small satellites.
We launched the Technopreneur Partnership Programme (TPP) last November in partnership with local universities and co-working space operators. Under this scheme, we are extending our support to start-ups affiliated with TPP partners, while enterprises in Science Park will be able to access the resources provided by TPP partners.

As constant knowledge enhancement is essential for technology professionals, HKSTP organised more than 65 training sessions and seminars delivered by renowned industry leaders and global consultancy firms during the year, having served more than 3,200 members of Science Park.

Locally-groomed innovations are Hong Kong’s pride, HKSTP launched community awareness programmes to share our heroes’ success stories.
CREATING ECONOMIC VALUE

FOSTER INDUSTRY COLLABORATION

One of our key roles is to support the reindustrialisation empowered by advanced technology in Hong Kong. We believe the city can play a role as an ecosystem hub where design, research and high-end production takes place.

HKSTP has worked actively to forge links between Science Park companies, our innovation ecosystem and the broader business and industrial community. Our senior executives have engaged important local business audiences and facilitated various one-on-one business matching for corporations interested in pursuing in-depth relationships with Science Park companies.

We also leveraged our industry knowledge to facilitate the development of high potential industries such as health care and medical devices in Hong Kong. Seeing the prospect of revitalising the city’s semi-conductor industry HKSTP also invested efforts to strengthen Hong Kong’s ties with relevant governmental and industrial counterparts in Mainland China.

STRENGTHEN CLUSTERS

HKSTP teams have led numerous trade missions to connect Science Park companies with buyers and investors in key markets, often in partnership with other organisations such as Invest Hong Kong and Cyberport. The year’s highlights include missions to the Las Vegas Consumer Electronics Show (CES), the biggest US trade show, Mobile World Congress in Barcelona, the CleanTech Conference in San Francisco and the JP Morgan Healthcare Conference, also in San Francisco. We also held a series of Cluster Connect events with C-level executives from each technology vertical, with a total of more than 80 C-level executives attending the above four events.

FACILITATE KNOWLEDGE TRANSFER

Another priority is to assist partner companies in gaining industry intelligence and to foster knowledge exchange and partnerships that catalyse innovation.

The APAC Innovation Summit, our annual flagship event, was held in December, achieving a record high attendance of 3,000 attendees from 25 countries. The Summit also hosted the Hong Kong Tech Showcase, where six universities and five R&D centres joined hands with Science Park companies to highlight more than 200 local innovations.

During the year HKSTP executives also met with dozens of potential overseas partners to share with them Hong Kong’s strengths and to encourage knowledge sharing.

TECONE

To further support technopreneurs we collaborate with Hong Kong Productivity Council to set up a one-stop service centre called TecOne, which hosts seminars and provides information on the full range of government R&D funding schemes and Science Park services.

TecONE, a one-stop service centre opened in 2014 provides entrepreneurs-to-be and technology SMEs comprehensive advisory services.
CATALYSES R&D AND INNOVATIONS

HKSTP provides laboratories and technical support to our partner companies, incubates and R&D efforts from industries and academia. We operate 11 state-of-the-art laboratories. During the year, laboratory users increased 14% to 273 companies.

We also installed new high-end 3D printers during the reporting period. Each machine can support rapid prototype production in different kinds of plastics and textures.

We reached agreement with Hong Kong Polytechnic University to launch a State Key Laboratory of Ultra-Precision Machining Technology in the coming year to provide optics design and prototyping.

HKSTP has established a strong network with our partners in Mainland China. We are working with the Guangdong Provincial Department of Science and Technology to facilitate the build-up of the Guangdong-Hong Kong Innovation Corridor. We have reached collaboration agreements with Shenzhen, Dongguan and Foshan for joint development.

ENHANCE RECOGNITION

Our partner companies and incubates have scooped 88 global and local awards during the year. Among them, Insight Robotics won the Best Innovation Grand Award at the Hong Kong ICT Awards 2014 and the IBM Global Entrepreneur of the Year. AdvanPro, eNano Health, Lirico Technologies, Medisen and Megabyte won Gold Medals at the 42nd International Exhibition of Inventions of Geneva. Rehab-Robotics received The Innovation for Good Award at the SCMP’s Spirit of Hong Kong Awards for its Hand of Hope robotics rehabilitative device.

SOFT LANDING PROGRAMME

The Soft Landing Programme was launched in 2014 with the aim to help local universities and industries connect with top minds and talents from around the world. Currently some 60 projects in green tech, electronics and biotech are being canvassed. Approximately ten are in advanced discussions.

ISRAEL BUSINESS MATCHING

HKSTP partnered with the Innovation and Technology Commission and the Israel Consulate in Hong Kong and Macau to arrange 12 technology companies from Israel to meet with local business leaders and innovators. 42 local companies joined the event, of which 12 were from Science Park.

HKSTP joined InvestHK’s delegation to Israel for knowledge exchange in biomedical and cloud and data technologies.
ENVIRONMENTAL STEWARDSHIP

The newly-opened Hong Kong Science Park Phase 3a and 3b won the Grand Award in Green Building Award 2014 - New Buildings Category - Completed Buildings

REDUCING OUR FOOTPRINT

Hong Kong faces some critical environmental challenges including air quality, energy and water consumption, waste generation and ecological biodiversity. HKSTP is committed to doing its part to ensure that such issues are mitigated for the long-term benefit of society.

We adopt a systematic approach towards environmental stewardship that enables us to prioritise our most significant aspects, implement improvements and monitor our progress.

A WORLD-CLASS HUB FOR SCIENCE & TECHNOLOGY – SCIENCE PARK PHASE 3

Designed and constructed to the highest sustainability standards, Phase 3 exemplifies HKSTP’s commitment towards environmental stewardship. Officially opened in September 2014, the first three Phase 3 buildings (12W, 15W and 16W) showcase a wide range of sustainability features including low-energy passive design, hybrid ventilation and high efficiency LED lighting to all R&D offices, renewable energy systems and large scale rainwater recycling, to name but a few.

These attributes gained recognition through the prestigious Grand Award of the 2014 Green Building Award – New Buildings Category (Completed Buildings), bestowed by the Hong Kong Green Building Council and Winner of RICS Hong Kong Awards 2015 – Sustainability Achievement of the year. Building 15W achieved BEAM Plus Platinum Ratings, the other two also achieved provisional BEAM Plus Platinum ratings, whilst 12W became the first R&D office building in Hong Kong to achieve LEED Platinum v2009 from the US Green Building Council.

ENERGY MANAGEMENT

More than 90% of Hong Kong’s electricity is consumed in buildings, contributing over 60% of our society’s carbon footprint. Maximising energy efficiency is therefore a vital element in moving towards a more sustainable and low-carbon community. HKSTP places topmost priority on reducing its energy footprint by adopting best practice, not just in building design, but also in its facilities management and operations.
Both measures put partner companies more closely in control of their day-to-day energy consumption, providing direct incentives for energy conservation from the utility savings that they can enjoy. By logging into their private online “energy dashboard”, partner companies can view their own consumption patterns at any time, and identify for example whether electricity is being wasted out-of-hours.

**Energy Efficiency Improvements**

HKSTP’s Facilities Management Team continued the implementation of wide-ranging operational enhancements and energy efficiency upgrades during 2014-15. The initiatives focused on our key electricity consumers including chilled water pumping systems, cooling towers, lighting and ventilation systems.

A particular milestone was the replacement of the third and final air-cooled chiller at the InnoCentre with a higher efficiency chiller in July 2014. We also continued the upgrading of exterior lighting and street lamps along the Science Park East and West Avenues, with 129 fixtures now using more efficient LED lamps that have reduced total lamp power by 77% (from 31kW to 7kW), with anticipated savings of 120,000 kWh/yr.

HKSTP’s strategy towards facilities energy management is therefore two-fold: to ensure that the new buildings in Phase 3 to achieve their ambitious energy targets; and continue to enhance the energy performance of its existing buildings.

**Engaging Partner Companies in Phase 3**

Phase 3 sets a new precedent for energy management in Hong Kong, not only through its green building design attributes, but also through the provision of power meters and lighting controls for partner companies. These provide hour-by-hour data on each partner companies’ own electricity use, separated into air conditioning, lighting and small power.

The Phase 3 buildings are also equipped to enable “pay-for-use billing” of air-conditioning by partner companies, with multiple air handling units (AHUs) provided on each R&D office floor. Partner companies who lease space served by one or more dedicated AHUs have to pay for air conditioning according to their actual consumption, rather than normally via a flat management fee.
ENVIRONMENTAL STEWARDSHIP

These efforts were complemented with regular outreach to partner companies in Science Park through the dissemination of green tips, such as energy-saving suggestions.

Creating Energy from the Sun

HKSTP was one of the local first movers in the application of renewable energy generation in Hong Kong. Nine buildings in Phase 1 (completed from 2002 to 2004) incorporate photovoltaic panels into their facades, with a total installed capacity of 198 kW. Phase 2 displays the introduction of solar water heating systems to the Park, supplementing hot water needs in the Clubhouse facilities and Green 18.

Phase 3 provides the next chapter in HKSTP’s embrace of renewable energy, with photovoltaic panels and solar water heating systems being provided to supplement electricity and air-conditioning needs. With an installed capacity of 69.3 kW, the rooftop photovoltaics on Building 12W (the first system to be commissioned) generated 25,780 kWh from September 2014 to March 2015, equivalent to 2% of 12W’s total electricity consumption.

A New Framework for Energy Management

HKSTP engaged a specialist consultant in November 2014 to conduct a detailed energy audit of the facilities at Science Park Phases 1 & 2 and the InnoCentre. Going beyond the requirements of the mandatory Building Energy Code, the comprehensive four-month audit has helped HKSTP identify potential measures to further reduce energy costs and consumption.

As a result of the audit, we have started to refine our existing Energy Management Framework and initiated an Energy Management Action Plan of short, medium and longer-term measures based upon their practicality, cost and expected savings. Their implementation will help HKSTP in the continued reduction of its carbon footprint whilst maintaining high quality services to all our partner companies and visitors.

In parallel with this, we will continue to extend the coverage of our independently certified ISO 50001 Energy Management System, which during 2014 was renewed for four Science Park buildings (the Bio-Informatics Centre, Harbour View 1 & 2, and Green 18).

WASTE MANAGEMENT

Hong Kong faces an imminent waste management problem as the three existing landfills approach their designed capacities in the years running up to 2019. HKSTP recognises its social responsibility towards waste reduction during the day-to-day operation of its existing facilities and also the construction of its new facilities in Phase 3.

Waste Reduction

HKSTP aims to reduce the absolute amount of waste generated both by itself and by its partners in the value chain, whilst also to promote recycling through the separation of waste at source. Our target is to cut the quantity of waste sent from our facilities for disposal at landfill by 35% from 2013 to 2021.
Facilities for the source separation of wastes at the Park

Overall collection of paper, plastics and metals for recycling from Science Park and InnoCentre amounted to 47.5 tonnes during 2014/15, an increase of 2.7 tonnes (6.1%) from the previous year. Despite this positive trend, we recognise the need and opportunity to push further towards waste reduction and recycling through closer engagement of our cleansing contractors and users of our facilities.

Phase 3, for example, incorporates enhanced facilities for the source separation of wastes by the occupants of building, with dedicated collection containers (for metals, plastics, waste paper, glass and cardboard) custom built into the cabinets of the shared pantry areas of each floor. In signing the Green Lease for Phase 3, partner companies commit to make best use of such facilities whilst HKSTP, as landlord, also commits to provide for the collection of used toner cartridges, fluorescent bulbs, batteries and mobile phones.

Waste Recycling

During the year we continued to work closely with our partners and contractors to promote waste reduction and recycling. In March 2015 we supported Caritas (Hong Kong) in the collection of 194 used computers and related products (monitors, printers, scanners and keyboards, etc) from partner companies in Science Park for refurbishment and donation to the needy.

Waste Avoidance

A key example of waste avoidance during 2014/15 is the continued installation of hand dryers which help reduce the quantity of hand tissues used in our common washroom facilities across Science Park and InnoCentre.

We also commenced the replacement of single-roll tissue paper dispensers with double roll dispensers to further reduce paper consumption and the associated waste.
ENVIRONMENTAL STEWARDSHIP

Other recycling campaigns included the collection of rechargeable batteries (1,484 pieces), Moon Cake containers during September 2014, and peach blossom, citrus tree and red packets during Chinese New Year recycling campaigns.

Overall, the quantities of materials recovered for recycling at the Science Park and InnoCentre during 2014-15 increased by 6% (paper), 20% (plastics) and 25% (metals) compared to 2013-14.

At the InnoCentre in Kowloon Tong, we engaged our partner companies in the design of our red packet recycling campaign, collection of tree, and convertible festive designs for use during both Christmas and Chinese New Year. Throughout our facilities we also reduced levels of decoration during the festive periods with an eye to reducing waste.

Construction Waste (Phase 3)

Through the adoption of BEAM Plus, and with the support of the Phase 3 construction team, HKSTP has ensured the implementation of an extensive Construction Waste Management Plan (CWMP) since the commencement of works in 2011. Our overall target is to reduce the construction waste bound for landfill from the development of Phase 3 by 63%.

The CWMP sets out the contractor’s approach towards construction waste reduction, separation and recycling throughout the foundations and superstructure works of all five Phase 3 buildings. During 2014/15, 36% (322 tonnes) of non-inert waste was sent to landfill, with 64% (582 tonnes) collected for recycling and/or reuse on other sites.
Food Waste Reduction

HKSTP initiated its “FoodWise” programme in April 2014, working closely with participating F&B outlets to promote sustainable food consumption to the Science Park community. Launched with officiating guests including the Secretary for the Environment, Mr. KS Wong, and celebrity Ms. Ella Koon, the campaign rewarded customers for selecting from a range of green menus, reducing their portion sizes and using their own food containers for takeaway meals.

In December 2014, HKSTP also introduced its food waste collection service for F&B outlets along "The Spine", extending through Science Park Phases 1, 2 and 3. In total 8,137 kg of food waste were collected in the four months ending March 2015. The collected food waste was sent for processing into animal feed at Government's Eco-Park facility in Tuen Mun. In the meantime, we also continued our small-scale on-site composting programme, under which 713 kg of dry food and coffee bean waste was composted for landscaping use. All in all, we expect to divert 24.4 tonnes of food waste from Hong Kong’s landfill in the coming year.

TRANSPORTATION

With a workforce of approximately 10,500 employees at Science Park, expanding to around 14,000 when Phase 3 becomes fully occupied, the impacts of transportation to and from Science Park cannot be ignored. Although it is already well-served by public buses to and from the Shatin and University MTR stations, HKSTP provides over a dozen shuttle bus routes to encourage greater use of public transportation. The opening of the Phase 3 Bus Parking Spaces in September 2014 further serves to enhance convenience to our public transport and shuttle bus passengers.
ENVIRONMENTAL STEWARDSHIP

Promoting Electric Vehicles

HKSTP continued to promote the use of electric vehicles (EV) during the year. All in all, 157 EVs registered to take advantage of 10 hours free parking and electricity charging at Science Park, more than double the number in 2013/14. In the meantime, the opening of the Phase 3 car park in September 2014 marked the increased number of EV charging facilities at Science Park which by a further 350.

Cycling to Work

Science Park is well-served by the Tolo Harbour Cycling Track, with Shatin just a 20-minute’s ride towards the south and Tai Po just 20 minutes to the north. With the opening of Phase 3, Science Park now provides 290 bicycle parking spaces for partner companies and visitors, supplementing the integrated cycling track that facilitates cycling within Science Park itself.

Shower and changing facilities are provided in various Science Park buildings to the partner companies and bicycle repair kits are available for loan from the main reception counters to provide greater convenience to the cyclist, and to encourage more people to adopt this mode of carbon-free transportation.

In December 2014, HKSTP arranged a Saturday cycling experience along Tolo Harbour, exclusively for the members of SPARK, including a showcase of innovative and ingenious bicycle designs from around the world, including chainless bikes and bicycles made from wood.

Solar Powered Air Conditioning

With funding support from the Environmental Protection Department (EPD) “Pilot Green Transport Fund”, HKSTP commenced a 24-month trial from 1st April 2014 of a solar powered air conditioning system deployed on its free shuttle bus service between Science Park and InnoCentre.

The system comprises flexible monocrystalline solar panels with a maximum peak power of 1.32 kW and solar cell efficiency of 20%. Independent monitoring by the Hong Kong Polytechnic University indicated that the system helped to improve fuel efficiency by approximately 8% during the first six months of operation.
WATER CONSUMPTION

With extensive landscape and planting at Science Park, irrigation is an area in which we seek to minimise the use of potable water. Green 18 in Phase 2 is our first building to include rainwater collection and storage for irrigation, and the same principle has been implemented in Phase 3 with an installed storage capacity of 1,560m³. In 2014, we installed additional rain sensors for the automatic irrigation system in Phase 1, with savings of 3,869m³ of water in the seven months of operation was saved.

All public washrooms in Science Park are provided with water-saving devices including dual-flush toilets, infra-red sensor and aerator taps. In June 2014 we hosted a mobile showroom with Government's Water Supplies Department to promote water-saving tips to partner companies in Science Park.

GREEN OFFICE INITIATIVES

HKSTP’s workforce has taken an active and enthusiastic lead in initiating numerous green office practices, including frequent ‘lunch and learn’ events to raise awareness on green initiatives. Starting in September 2014 we ran a ten-week “Green the Bins campaign” to promote the paper separation of wastes in HKSTP offices. Prizes were given at to the most successful office each week, with the overall winners achieving 9 out of 10 “A grades” from their random weekly inspections.

HKSTP also makes extensive use of web-based administration systems for human resources management and electronic document management. Furthermore, our 2013/14 Annual Report was produced using soy ink and paper from responsible sources, with 50% fewer copies printed than the previous year.

CARBON FOOTPRINT

As a responsible corporate citizen, HKSTP has quantified its equivalent carbon dioxide (CO₂e) emissions from Science Park and InnoCentre since 2008.

Our emission intensity of 142 kg/m² in 2014-15 represents a 13% drop from 2013-14, reflecting enhanced levels of energy efficiency in our existing premises and also the opening of the first three buildings of Phase 3.
HEALTH AND SAFETY

KEEPING OUR WORKPLACE SAFE

Health and safety is of paramount importance to HKSTP in terms of the well-being of staff members, partner companies, service providers, and visitors to our facilities. We have implemented a rigorous framework to identify, minimise and mitigate a wide range of potential hazards and risks.

Plan, Do, Check and Act

HKSTP adopts an integrated approach towards its health, safety and environmental (“SHE”) concerns, comprising a comprehensive suite of policies, procedures, instructions and records. The cornerstone of this approach is our OHSAS 18001 Occupational Health & Safety Management System, for which we first achieved third-party certification in January 2010. External audits in October 2014 resulted in the renewal and extension of our OHSAS 18001 certification, with zero non-conformances and eight areas for improvement identified.

The OHSAS Management System provides a systematic framework for the identification of hazards, assessment of risks and implementation of controls. We conduct frequent inspections of common and public areas at HKSTP facilities, in addition to our own corporate laboratories and offices, to ensure the continuous implementation of health and safety standards.
Our Health and Safety Objectives

HKSTP closely tracks all reported health and safety incidents so that we can determine their root cause and minimise future occurrences.

Whilst it may not be possible to eliminate every risk associated with an operation of such complexity and scale, we set progressive health and safety targets for all of our staff to pursue. In 2014/15 we achieved these targets in full, with an occupational injury rate of 0.43% (1 out of 235 HKSTP employees, a broken finger caused by trapping in a car door), zero OHS related prosecutions, and at least three sessions of SHE training per employee.

The number of reported injury incidents affecting our stakeholders – our partner companies, contractors and visitors – continued to decline for a third consecutive year. Although the injury cases only consisted of a small proportion of the total number of people at Science Park, InnoCentre and Industrial Estates, we treat every such incident with greatest concern. Incidents involving “slip, trip or fall at the same level” remain the most common injury causes, and we work closely with our FMO and F&B outlets to ensure that wet surfaces are dried as quickly as possible after rain, cleansing or spillages, and in the meantime are cordoned off.

Reported injuries at HKSTP Facilities (Partner companies, Contractors, Visitors)

![Graph showing reported injuries at HKSTP Facilities]

Staff Training and Awareness

HKSTP recognises the importance and value of continuous skills development and lifelong learning. To maintain staff awareness on safety, health and environmental issues, we organised ten seminars in 2014/15, featuring expert speakers on a range of diverse topics. In total, 838 participants attended these seminars, at an average of 80 participants per event.

All new staff are required to attend a SHE induction course to ensure their understanding of HKSTP’s health and safety programmes (35 persons attended during 2014/15). Other related courses comprised OHSAS 18001 Internal Auditor and Implementation training (29 participants), and Display Screen Equipment Assessor Training Course (16 participants) resulting in a Certificate of Competence.

HKSTP staff that complete such training become designated Competent Persons. Throughout 2014/15, we assigned 68 Competent Persons from across all HKSTP divisions in the areas of First Aid, Display Screen Equipment Assessment, Manual Handling Operations, and OHSAS Internal Auditors.

SHE Awareness Seminars in 2014/15

- Work and General Disease
- Be a Positive Person: Care for All
- Solutions for Food Waste Problem
- Prevention of Lower Limb Disorders
- Ergonomics in Workplace
- Prevention and Control of Infection
- Power of Positive Thinking
- Common Spinal Problems & Back Care
- Protecting our Chinese White Dolphins
- You are what you Eat
- Healthy Lifestyle
- Occupational Contact Dermatitis
HEALTH AND SAFETY

Partner Company and Incubatee Laboratories

Hong Kong Science Park accommodates more than 80 laboratories that are operated by our partner companies and incubatees. These laboratories vary greatly in terms of nature, complexity and size, for which HKSTP implements an ongoing programme of SHE measures:

- All applicants seeking to establish a laboratory are subject to a thorough review of SHE considerations during their assessment process. In 2014/15, we strengthened this process to include more rigorous risk assessment requirements on the part of the applicant, depending upon the nature and scale of their application.

- With the support of the FMO, we monitor the collection and delivery of compressed gas cylinders to and from each partner company laboratory, as a means to check that quantities do not exceed the limits of the Dangerous Goods Ordinance.

- Once in a year (and more frequently for operations that are deemed higher risk), we conduct an inspection of every laboratory to check compliance with HKSTP requirements for lab safety procedures, hazardous substances and dangerous goods, personal protective equipment, and emergency response, etc. We conducted such inspections of all 87 partner company and incubatee laboratories in 2014/15.

HKSTP also arranged exchange visits in July and August 2014 with the safety division of one of Hong Kong’s leading universities as a way to share experiences and best practices in laboratory safety.

Areas for Improvement in Partner Company Laboratories

Annual inspections revealed improved implementation of safety standards in partner company and incubatee laboratories compared to the previous year.
**Food Hygiene & Safety**

HKSTP monitors food hygiene standards at all of our food and beverage (F&B) outlets in Science Park and InnoCentre. Each outlet is required to provide HKSTP with food hygiene reports from independent qualified specialists on a quarterly basis. Audits address the quality of housekeeping in each outlet, in addition to microbial assessments of swab tests, food samples and ice samples.

We held two briefings for proprietors and staff of the F&B outlets in Science Park during July and September 2014 to communicate HKSTP’s expectations towards food safety and hygiene and share experiences and best practices.

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**Contractors, Sub-Contractors and Service Providers**

HKSTP plays an active role in engaging stakeholders on health and safety matters. Our SHE Management System requires all contractors, sub-contractors and service providers to implement rigorous health and safety measures. Performance is monitored via regular site inspections and, in higher-risk areas, independent health and safety audits, with corresponding post-audit high-level meetings with the executive management of contractors.

Upon commencement of the Phase 3c works in September 2014 (for Buildings 20E and 22E), we initiated independent monthly health and safety audits to monitor the adoption of industry best practice. Activities receiving particular focus include materials rigging and lifting, working at height, materials storage and overall site management. There were no reportable injuries up to the end of March 2015.
HEALTH AND SAFETY

Indoor Air Quality (IAQ)

Each year, HKSTP checks the indoor air quality (IAQ) of the common areas within its buildings, via a specialist external consultant, in accordance with the requirements of Government’s IAQ Certification Scheme for Offices and Public Places. As in March 2015, all fifteen Science Park Phase 1 and 2 buildings which were submitted for assessment achieved the “Excellent” IAQ rating.

In addition to those common areas, we also conduct periodic monitoring of IAQ in our own offices and laboratories, in particular to check for trace chemical gases that may originate from our laboratory operations.

Emergency Drills

In line with international health and safety standards, HKSTP recognises the need to prepare for emergencies. During 2014/15, we conducted fifteen large-scale emergency response drills at Science Park, InnoCentre and our three Industrial Estates in preparedness for incidents including fire, gas leakage, and chemical spillage, with more than 3,500 people participating.
PEOPLE & COMMUNITY

SOCIAL RESPONSIBILITY

HKSTP is dedicated to creating fair and equal opportunity for our employees to help them grow and develop their careers. This was the seventh consecutive year that we have been recognised as a Caring Company by the Hong Kong Council of Social Services, and commended for our achievements in giving, mentoring and caring for employees and caring for the environment. Our approach to social responsibility encompasses not only our own staff, but also our business partners and the broader community.

STAFF DEVELOPMENT AND TRAINING

HKSTP provides a rich programme of training and development to its employees. During 2014/15, different workshops in the following areas were held:

- Professional & management skills: such as business strategy, writing, communication and presentation skills
- Technical skills training: including laboratory testing, quality, environmental, health and safety and energy management
- Employee health and welfare: encompassing occupational stress, sports safety, weight management and positive behavior

On average, each staff member participated in 10 hours of training during the year through Human Resource Team. All new HKSTP employees also receive induction training on our SHE Management System upon their arrival.

STAFF ENGAGEMENT

Recognising that appropriate work-life balance is critical for the well-being of our employees, HKSTP organised frequent initiatives for staff engagement throughout the year through our Sports and Recreation Working Group, which is driven by volunteers from various divisions.

In 2014/15 the Committee arranged a wide range of activities including interest classes and charity events. Interest classes covered mooncake, tennis training, Thai boxing, latte arts, etc. For charity events, the Committee coordinated staff involvement in various community activities and charitable events, such as Green Day. More than 50 HKSTP staff plus their family members took part in the Community Chest “New Territories Walk for Millions” in March 2015.
PEOPLE & COMMUNITY

ENGGAGING THE COMMUNITY

We engage broad segments of the community to increase their awareness of innovation and technology.

We created a campaign called ‘Innovation Heroes’ to draw attention to our home-grown innovators. From a stair-climbing wheelchair for the physically-challenged to intelligent robots that prevent wildfires, these innovations provide benefits to the community.

Our Facebook fans has increased to 25,000 over the past year, reflecting the growing interest of the society in Science Park events and activities. We have also uploaded 58 videos of our events and interviews onto our YouTube channel.

We held roadshows at high-traffic locations in the city, showcasing local innovations and robotic displays. Over 168,000 people visited the shows.

We also organised weekend workshops at Science Park, where close to 25,000 parents and children took part. The Park also hosted the TED Global live stream and TEDxHong Kong events, and other activities such as UNESCO Peace Day and the nine-day InnoCarnival.

STUDENT PROGRAMMES

HKSTP was a supporter of the Hong Kong Youth Science and Technology Innovation Competition, the city’s most popular science contest, attracting nearly 4,000 applicants from 400 schools.

HKSTP was also the venue sponsor of the Hong Kong Student Science Project Competition 2014, organised by the Hong Kong Federation of Youth Groups. Around 3,000 teachers and students took part in the event.

LET’S SPARK!

To bring the Science Park community together to ignite ideas, energy and collaboration we have created a membership programme called SPARK. SPARK offers fun-filled activities that enable our members in Science Park to get to know each other, including team sports and a Talent Show. It also offers training sessions, family outings, volunteer service and day trips.
LOOKING TO THE FUTURE

Our mission is to help Hong Kong prepare for a future where the only way to remain socially, economically and environmentally sustainable and competitive is through continuous applied research, market-led innovation and technology-based reindustrialisation.

We aim to spearhead the development of Hong Kong as an innovation and technology hub. This means creating new advanced manufacturing industries in addition to our traditional economic pillars such as logistics, tourism and financial services.

With Mainland China placing an increasing emphasis on innovation and new technologies, we see enormous opportunities arising. The strategies and investments being made all these years by all relevant stakeholders in Hong Kong now ensure our vibrant technology and R&D ecosystem will be well-placed to capitalise on these.

We are not contented with simply nurturing individual companies. In the future we intend to foster new industries, combining the incubation and talent development of Science Park with the production capacity of our industrial estates. We are working towards reindustrialisation of the city’s economy by revitalising the industrial estates, as well as pitching at high-end manufacturing. As young companies in Science Park grow in scale, they will be ideal new partner companies for our revamped industrial estates.

To date we have groomed hundreds of startup companies, with around 80% of our graduates still in business today. We aim to double the number of startups in 2015/16 and accelerate the inflow of investment funds to fuel their growth.

We are working to scale up the Corporation’s value-added service capabilities to better support our partner companies and incubates and to provide stronger connections across the innovation ecosystem. We also endeavour to support Hong Kong in its growing role as a bridge between Mainland China and the rest of the world in technology industries.
EXTERNAL ASSURANCE STATEMENT

VERIFICATION STATEMENT
Scope and Objective
Hong Kong Quality Assurance Agency (HKQAA) has been commissioned by Hong Kong Science and Technology Parks Corporation (HKSTP) to conduct an independent verification of its 2014 – 2015 Sustainability Report (herein referred to as “the Report”). Those financial data referred to Annual Report were not included in this verification. The Report stated HKSTP’s sustainability performance and efforts towards sustainable development for the period from 1 April 2014 to 31 March 2015.

The aim of this verification was to provide assurance on the completeness and accuracy of the information stated in the Report. The Report covers the standard disclosures defined in the Global Reporting Initiative (GRI) Sustainability Reporting Guidelines Version 4 (G4) with “Core” option and the Key Performance Indicators that defined in the Environmental, Social and Governance (ESG) Reporting Guide of the Hong Kong Exchanges and Clearing Limited (“HKEx”).

Methodology
The process used in this verification was based on current best practices. The Report was reviewed against the following criteria:
- The principles of completeness, accuracy, neutrality, comparability and responsiveness;
- The Global Reporting Initiative (GRI) G4 Guidelines and the Construction and Real Estate Sector Disclosures; and
- ESG Reporting Guide published by HKEx

The verification procedure included reviewing relevant documentation, interviewing responsible personnel with accountability for preparing the Report and verifying the selected representative sample of data and information consolidated in the Report. Raw data and supporting evidence of the selected samples were thoroughly examined.

Conclusion
Based on the outcome of the verification process, it is opined that the Report is “in accordance” with the GRI G4 Guidelines – Core option and covers the Key Performance Indicators of the ESG Reporting Guide.

The information presented in the Report provided a structured, balanced and consistent representation of HKSTP’s sustainability performance in the context of sustainable development. We are satisfied that the Report includes factual statements and the data contained within the Report is accurate and reliable. It is a fair and honest representation of HKSTP’s initiatives, targets, progress and performance on its sustainable development achievements.

Signed on behalf of Hong Kong Quality Assurance Agency

Bryan Peng
Assistant Director, Manufacturing and Services
October 2015
## SUSTAINABILITY PERFORMANCE INDICATORS

### ENVIRONMENTAL INDICATORS TABLE

<table>
<thead>
<tr>
<th>Performance Indicators</th>
<th>Unit</th>
<th>2013/14</th>
<th>2014/15</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Energy</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Direct energy use</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Diesel</td>
<td>L</td>
<td>8,202</td>
<td>16,534</td>
</tr>
<tr>
<td>Gasoline</td>
<td>L</td>
<td>12,682</td>
<td>11,035</td>
</tr>
<tr>
<td>Indirect energy use</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Towngas</td>
<td>MJ</td>
<td>342,432</td>
<td>264,702</td>
</tr>
<tr>
<td>Electricity</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>HKSTP’s offices (Science Park, InnoCentre and Industrial Estates)</td>
<td>kWh</td>
<td>1,625,071</td>
<td>2,040,167</td>
</tr>
<tr>
<td>Science Park (common area)</td>
<td>kWh</td>
<td>57,226,163</td>
<td>60,890,439</td>
</tr>
<tr>
<td>Phase 1</td>
<td>kWh</td>
<td>26,345,606</td>
<td>25,853,369</td>
</tr>
<tr>
<td>Phase 2</td>
<td>kWh</td>
<td>30,757,690</td>
<td>29,487,649</td>
</tr>
<tr>
<td>Phase 3</td>
<td>kWh</td>
<td>122,867</td>
<td>5,549,421</td>
</tr>
<tr>
<td>InnoCentre (common area)</td>
<td>kWh</td>
<td>1,846,653</td>
<td>1,840,275</td>
</tr>
<tr>
<td><strong>Building energy intensity</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Science Park Phase 1 (GFA 119,962 m²)</td>
<td>kWh/m²/year</td>
<td>220</td>
<td>216</td>
</tr>
<tr>
<td>Science Park Phase 2 (GFA 104,411 m²)</td>
<td>kWh/m²/year</td>
<td>295</td>
<td>282</td>
</tr>
<tr>
<td>Science Park Phase 3 (GFA 58,607 m²)</td>
<td>kWh/m²/year</td>
<td>Not reported</td>
<td>95</td>
</tr>
<tr>
<td>InnoCentre (GFA 24,167 m²)</td>
<td>kWh/m²/year</td>
<td>76</td>
<td>76</td>
</tr>
<tr>
<td><strong>Renewable energy generation</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Solar power generation</td>
<td>kWh</td>
<td>Not reported</td>
<td>37,883</td>
</tr>
<tr>
<td>Wind turbine generation</td>
<td>kWh</td>
<td>81</td>
<td>16</td>
</tr>
<tr>
<td><strong>Emission</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SCOPE 1 Direct Emission</td>
<td>tonne CO2e</td>
<td>5,262</td>
<td>5,173</td>
</tr>
<tr>
<td>SCOPE 2 Indirect Emissions</td>
<td>tonne CO2e</td>
<td>35,414</td>
<td>41,457</td>
</tr>
<tr>
<td>Total emissions (Scope 1 + Scope 2)</td>
<td>tonne CO2e</td>
<td>40,757</td>
<td>46,630</td>
</tr>
<tr>
<td>Emission Intensity</td>
<td>kg CO2e/m²/year</td>
<td>163.70</td>
<td>151.82</td>
</tr>
<tr>
<td><strong>Water</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Science Park</td>
<td>m³</td>
<td>280,915</td>
<td>291,979</td>
</tr>
<tr>
<td>InnoCentre</td>
<td>m³</td>
<td>2,227</td>
<td>1,601</td>
</tr>
<tr>
<td>HKSTP’s offices (in Industrial Estate)</td>
<td>m³</td>
<td>460</td>
<td>314</td>
</tr>
<tr>
<td>Rainwater harvested</td>
<td>m³</td>
<td>Not reported</td>
<td>Unknown</td>
</tr>
<tr>
<td>Building water intensity</td>
<td>m³/m²/year</td>
<td>Not reported</td>
<td>0.96</td>
</tr>
<tr>
<td><strong>Material</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Paper consumed (A4)</td>
<td>ream</td>
<td>1,805</td>
<td>2,001</td>
</tr>
<tr>
<td>Paper consumed (A4) per staff</td>
<td>ream per head</td>
<td>8.43</td>
<td>8.51</td>
</tr>
<tr>
<td>Sustainable material used in Phase 3 construction site</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Building structure recycled material cost</td>
<td>% of the total material cost</td>
<td>Not reported</td>
<td>5%</td>
</tr>
<tr>
<td>Regional material cost</td>
<td>% of the total material cost</td>
<td>Not reported</td>
<td>72%</td>
</tr>
</tbody>
</table>
## SUSTAINABILITY PERFORMANCE INDICATORS

### ENVIRONMENTAL INDICATORS TABLE

<table>
<thead>
<tr>
<th>Performance Indicators</th>
<th>Unit</th>
<th>2013/14</th>
<th>2014/15</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Waste disposed</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>From Science Park</td>
<td>tonnes</td>
<td>173</td>
<td>169</td>
</tr>
<tr>
<td>Spent acidic organic solvent</td>
<td>litre</td>
<td>Not reported</td>
<td>20</td>
</tr>
<tr>
<td>Spent lube oil</td>
<td>litre</td>
<td>Not reported</td>
<td>20</td>
</tr>
<tr>
<td>Spent HG-containing fluorescent tubes</td>
<td>kg</td>
<td>Not reported</td>
<td>200</td>
</tr>
<tr>
<td><strong>Waste recycled</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>From Science Park &amp; InnoCentre</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Paper</td>
<td>kg</td>
<td>43,870</td>
<td>46,460</td>
</tr>
<tr>
<td>Plastic</td>
<td>kg</td>
<td>337</td>
<td>404</td>
</tr>
<tr>
<td>Metal</td>
<td>kg</td>
<td>282</td>
<td>352</td>
</tr>
<tr>
<td>Glass</td>
<td>240 litre container</td>
<td>15</td>
<td>13</td>
</tr>
<tr>
<td>Food waste</td>
<td>kg</td>
<td>737</td>
<td>6,314</td>
</tr>
<tr>
<td>Waste cooking oil</td>
<td>litre</td>
<td>2,680</td>
<td>2,272</td>
</tr>
<tr>
<td>From Phase 3 construction site</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Inert materials</td>
<td>tonnes</td>
<td>67,637</td>
<td>8,588</td>
</tr>
<tr>
<td>Paper</td>
<td>tonnes</td>
<td>0.50</td>
<td>1.62</td>
</tr>
<tr>
<td>Plastics</td>
<td>tonnes</td>
<td>0.95</td>
<td>0.03</td>
</tr>
<tr>
<td>Metal</td>
<td>tonnes</td>
<td>1,412</td>
<td>525</td>
</tr>
<tr>
<td>Timber</td>
<td>tonnes</td>
<td>133</td>
<td>55.23</td>
</tr>
<tr>
<td>Curtain wall pallet</td>
<td>tonnes</td>
<td>47</td>
<td>0</td>
</tr>
<tr>
<td>Other general refuse</td>
<td>tonnes</td>
<td>3,240</td>
<td>322</td>
</tr>
<tr>
<td><strong>Compliance</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Non-compliance of environmental laws and regulations</td>
<td>number of cases</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

Note:

(1) The water consumption of Science Park in 2013/14 is adjusted from 238,905 to 280,915 m³ after re-calculation and water bill re-consolidation.
## Social Indicators Table

<table>
<thead>
<tr>
<th>Performance Indicators</th>
<th>2013/14</th>
<th>2014/15</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Workforce</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>By employment contract</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Permanent</td>
<td>86%</td>
<td>84%</td>
</tr>
<tr>
<td>Contract</td>
<td>14%</td>
<td>16%</td>
</tr>
<tr>
<td>By age group</td>
<td></td>
<td></td>
</tr>
<tr>
<td>&lt;30</td>
<td>6%</td>
<td>8%</td>
</tr>
<tr>
<td>30-50</td>
<td>70%</td>
<td>67%</td>
</tr>
<tr>
<td>&gt;50</td>
<td>24%</td>
<td>25%</td>
</tr>
<tr>
<td>By gender</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Male</td>
<td>54%</td>
<td>52%</td>
</tr>
<tr>
<td>Female</td>
<td>46%</td>
<td>48%</td>
</tr>
<tr>
<td>New employee hired</td>
<td></td>
<td></td>
</tr>
<tr>
<td>By gender</td>
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</tr>
<tr>
<td>Male</td>
<td>45%</td>
<td>28%</td>
</tr>
<tr>
<td>Female</td>
<td>55%</td>
<td>72%</td>
</tr>
<tr>
<td>By age group</td>
<td></td>
<td></td>
</tr>
<tr>
<td>&lt;30</td>
<td>30%</td>
<td>32%</td>
</tr>
<tr>
<td>30-50</td>
<td>60%</td>
<td>61%</td>
</tr>
<tr>
<td>&gt;50</td>
<td>11%</td>
<td>7%</td>
</tr>
<tr>
<td>Turnover rate</td>
<td></td>
<td></td>
</tr>
<tr>
<td>By gender</td>
<td></td>
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</tr>
<tr>
<td>Male</td>
<td>41%</td>
<td>40%</td>
</tr>
<tr>
<td>Female</td>
<td>59%</td>
<td>60%</td>
</tr>
<tr>
<td>By age group</td>
<td></td>
<td></td>
</tr>
<tr>
<td>&lt;30</td>
<td>6%</td>
<td>16%</td>
</tr>
<tr>
<td>30-50</td>
<td>76%</td>
<td>68%</td>
</tr>
<tr>
<td>&gt;50</td>
<td>18%</td>
<td>16%</td>
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<tr>
<td>Full time workforce of contractors and sub-contractors delivering project work</td>
<td>Not reported</td>
<td>469</td>
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<tr>
<td>Full time workforce of contractors and sub-contractors delivering facilities management work</td>
<td>Not reported</td>
<td>285</td>
</tr>
<tr>
<td>Training and education within HKSTP</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Employees receiving performance review</td>
<td>100%</td>
<td>100%</td>
</tr>
<tr>
<td>Average training time per employee</td>
<td>7.5 hours</td>
<td>10 hours</td>
</tr>
<tr>
<td><strong>Occupational health and safety</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Injury rate</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Overall</td>
<td>0.47%</td>
<td>0.43%</td>
</tr>
<tr>
<td>Male</td>
<td>0</td>
<td>0.82%</td>
</tr>
<tr>
<td>Female</td>
<td>1.02%</td>
<td>0</td>
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<tr>
<td>Occupational disease rate</td>
<td></td>
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</tr>
<tr>
<td>Male</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Female</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Lost day rate</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Male</td>
<td>0</td>
<td>0.17%</td>
</tr>
<tr>
<td>Female</td>
<td>0.02%</td>
<td>0</td>
</tr>
<tr>
<td>Absentee rate</td>
<td></td>
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</tr>
<tr>
<td>Male</td>
<td>1.70%</td>
<td>1.48%</td>
</tr>
<tr>
<td>Female</td>
<td>2.79%</td>
<td>1.79%</td>
</tr>
<tr>
<td>No. of work-related fatalities</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Male</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Female</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Percentage of the organization operating in verified compliance with an internationally recognized health and safety management system</td>
<td>Not reported</td>
<td>24%</td>
</tr>
<tr>
<td><strong>Human right</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Non-discrimination</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Reported incidents of discrimination</td>
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<td>0</td>
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<tr>
<td><strong>Society</strong></td>
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<td></td>
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<tr>
<td>Anti-corruption</td>
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<tr>
<td>Reported incidents of corruption</td>
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</table>
**RECOGNITION & MEMBERSHIP**

**SUSTAINABILITY RELATED AWARDS & CERTIFICATION SINCE 2012**

- **BEAM Plus Platinum (v1.1 New Buildings, Final Rating)** Building 15W, 15 Science Park West Avenue, Hong Kong Science Park (May 2015)
- **RICS Hong Kong Awards 2015** Winner – Sustainability Achievement of the Year
- **Green Building Award 2014: Grand Award (New Buildings Category, Completed Buildings)** Hong Kong Science Park Phase 3a & 3b
- **LEED Platinum (Core & Shell)** Building 12W, 12 Science Park West Avenue, Hong Kong Science Park (July 2014)

**HKSTP MEMBERSHIPS OF ASSOCIATIONS**

<table>
<thead>
<tr>
<th>Category</th>
<th>Association</th>
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</thead>
<tbody>
<tr>
<td><strong>International</strong></td>
<td>International Association of Science Parks and Areas of Innovation</td>
</tr>
<tr>
<td></td>
<td>National Business Incubation Association</td>
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<tr>
<td><strong>Asia/China</strong></td>
<td>Asian Association of Business Incubation</td>
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<tr>
<td></td>
<td>Asian Science Park Association (ASPA)</td>
</tr>
<tr>
<td></td>
<td>National Technology and Innovation Strategic Alliance for Educational Information Industry</td>
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<tr>
<td><strong>Local – Business oriented</strong></td>
<td>Chinese Manufacturers’ Association of Hong Kong</td>
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<td>Data Protection Officers’ Club by Office of the Privacy Commissioner for Personal</td>
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<td>Federation of Hong Kong Industries</td>
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<td></td>
<td>Hong Kong Business Angel Network Limited</td>
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<td>Hong Kong General Chamber of Commerce</td>
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<td></td>
<td>Hong Kong Venture Capital &amp; Private Equity Association</td>
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<tr>
<td></td>
<td>Invotech</td>
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<td></td>
<td>Monte Jade Science &amp; Technology Association of Hong Kong</td>
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<td></td>
<td>Work Group for Android Application of Digital Living Consortium</td>
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</tbody>
</table>
### Sustainability Related Awards & Certification Since 2012

**BEAM Plus Platinum (v1.1 New buildings, Final Rating)**
- Building 15W, 15 Science Park West Avenue, Hong Kong Science Park (May 2015)

**Hong Kong Green Awards 2013**
- Green Management Award (Corporate) – Silver

**RICS Hong Kong Awards 2015**
- Winner – Sustainability Achievement of the Year

**Green Building Award 2012: Grand Award (New Buildings Category, Building Projects under Design, HK)**
- Hong Kong Science Park Phase 3 – Master Plan and 3a & 3b

**Green Building Award 2014: Grand Award (New Buildings Category, Completed Buildings)**
- Hong Kong Science Park Phase 3a & 3b
  - BEAM Plus Platinum (v1.1 New buildings, Provisional Rating)
    - Buildings 12W & 16W, Science Park West Avenue, Hong Kong Science Park (June 2012)

**Green Building Award 2012: Merit Award (New Buildings Category, Completed Buildings)**
- Green 18, Hong Kong Science Park
  - LEED Platinum (Core & Shell)
    - Building 12W, 12 Science Park West Avenue, Hong Kong Science Park (July 2014)

### HKSTP Memberships of Associations

#### International
- International Association of Science Parks and Areas of Innovation

#### Local – Overseas Chambers of Commerce
- Danish Chamber of Commerce HK
- Finnish Chamber of Commerce, Hong Kong
- Swedish Chamber of Commerce in Hong Kong
- Swiss Chamber of Commerce in Hong Kong
- The American Chamber of Commerce in Hong Kong
- The Canadian Chamber of Commerce in Hong Kong

#### Local – Industry specific
- eHealth Consortium Limited
- Hong Kong Association for Testing, Inspection and Certification Limited
- Hong Kong Electronic Industries Association Limited
- Hong Kong Information Technology Joint Council
- Hong Kong Society for Quality
- Hong Kong Green Building Council
- Hong Kong Business Environment Council