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Presented By: Green Technology Awards Sponsor:

Presented By: Autodesk

Strategic Partners:

Knowledge Partners:
SINGAPORE SUSTAINABILITY AWARDS

In the current business landscape, success is firmly associated with sustainability approaches that work in tandem with corporate strategies. Today’s senior management is very much aware of the expectations placed on them by their stakeholders to take the lead towards sustainability. Hence, companies are facing the imperative of implementing explicit sustainability initiatives, committing toward a cleaner environment and be active in society.

As Singapore’s apex business chamber representing more than 21,000 companies, the Singapore Business Federation (SBF) plays an active role in promoting sustainable development amongst organisations. One of its flagship activities is the Singapore Sustainability Awards which encourages growth and adoption of sustainable solutions and best practices. Not only does the Awards recognise companies with outstanding sustainable practices, it also serves as a catalyst for the promotion of innovative green solutions to motivate enterprises to contribute towards a sustainable future for all.

Into its fifth year, SBF is proud that the Singapore Sustainability Awards programme has received a record participation from forty-four public and commercial organisations across a diverse range of industries from urban agriculture and ICT to real-estate and supply chain management. This year’s participants are also very high quality for both categories of Sustainable Business Awards (SBA) and Green Technology Awards (GTA).

PURSUING THE NOTION OF SUSTAINABILITY

SBF strongly advocates the sharing of award winners’ achievements and challenges to help inspire other organisations to promote sustainability. For this reason, SBF’s Sustainable Development Business Group (SDBG) has once again collaborated with National University of Singapore Business School to document the success stories of these companies as case studies.

The Case Studies Handbook is a reference journal, providing guidance to companies who are aspiring towards excellence in their sustainability practices.

OUR SINCEREST APPRECIATION

It is only with the continual support and endorsement of our Strategic partners – the Economic Development Board, International Enterprise Singapore, Institute of Technical Education, National Environment Agency, Nanyang Technological University, Singapore Compact for CSR, SIMTech and SPRING Singapore, our Knowledge Partners – KPMG and Frost & Sullivan, and our Green Technology Awards sponsor Autodesk, that SBF is able to build on the success of the Singapore Sustainability Awards.

We would also like to extend our appreciation and sincere thanks to all our partners and judges for their dedication of time and effort. Special thanks also to all organisations who have participated, and last but not the least, congratulations to all winners of the Singapore Sustainability Awards 2014.
The Singapore Sustainability Awards is an initiative of the Singapore Business Federation (SBF) which showcases the most innovative and impactful sustainable practices and green solutions amongst organisations in Singapore. Inaugurated in 2009, the Awards recognise organisations for their outstanding sustainable business practices and innovative GreenTech solutions.

OBJECTIVE
The Awards aims to promote sustainability excellence and facilitate the sharing of best practices across the value chain. Through the Awards, SBF hopes that more organisations will be inspired to embrace sustainable development and in turn, strengthen Singapore's position as a regional showcase for Sustainable Development and Green Technology.

The Awards also serves as a yardstick for enterprises to benchmark against the standards of leading companies. It is the epitome of prestige that Singapore businesses strive to achieve, through the attainment of a winning and sustainable business edge.

SUSTAINABLE BUSINESS AWARDS
Recognise excellence in the “Adopter” community – organisations with demonstrable implementation of sustainable practice encompassing economic, social and environmental dimensions, to achieve the common goal of a sustainable future for all.

Winners of the SBA category are exceptional organisations that have shown outstanding leadership in managing the four aspects of economic (strategy and performance), social (people and communities), environment (management systems and performance) and value creation.

GREEN TECHNOLOGY AWARDS
Recognise excellence in the “Enabler” community – organisations that provide best-of-class green technology solutions, meeting sustainability needs of businesses, environment and society.

Winners of the GTA category are outstanding organisations that have demonstrated strong and compelling green technology solutioning, while ensuring a high level of commitment and performance to other criteria of corporate environment responsibility, measurement of impact and innovation.
SINGAPORE SUSTAINABILITY AWARDS
2014 WINNERS

SUSTAINABLE BUSINESS AWARDS

LARGE ORGANISATION CATEGORY

Building and Construction Authority
City Developments Limited*
DHL
DSM Singapore Industrial Pte Ltd
Infineon Technologies Asia Pacific Pte Ltd
Keppel Corporation
National Environment Agency
Olam International Ltd

SMALL & MEDIUM ENTERPRISE CATEGORY

Sindicatum Sustainable Resources*

GREEN TECHNOLOGY AWARDS

LARGE ORGANISATION CATEGORY

Ricoh Asia Pacific Pte Ltd

SMALL & MEDIUM ENTERPRISE CATEGORY

Alternative Energy Corporation Pte Ltd
Clean Energy Holdings Pte Ltd
Ecospec Global Technology Pte Ltd
Sky Urban Solutions Holding Pte Ltd*
Uniseal Singapore Pte Ltd

*Organisations which were accorded the Top Honour Award in their respective categories.
The Building and Construction Authority (BCA) of Singapore champions the development of a future ready built environment for Singapore. BCA’s mission is to shape a safe, high quality, sustainable and friendly built environment. In doing so, it aims to differentiate Singapore’s built environment from those of other cities and contribute to the creation of a liveable city with a high quality of life for everyone in Singapore.

In Singapore’s densely built-up urban space, greening our built environment is even more vital to sustainability. BCA is leading the national effort to green-mark 80% of our building stock by 2030. To achieve this, BCA has put in place the 3rd Green Building Masterplan and various green building incentives schemes to drive Singapore’s efforts to combat climate change and strengthen Singapore’s position as a global leader in green buildings with special expertise in the tropics and sub-tropics, enabling sustainable development and quality living.

ON THE SIGNIFICANCE OF SINGAPORE SUSTAINABILITY AWARDS

We are honoured to receive the prestigious Singapore Sustainability Awards 2014. It is a strong testament of BCA’s success in building and ‘future-proofing’ our built environment in Singapore - one that is safe, high quality, sustainable and friendly.

BCA takes pride as the Green Leader for Singapore’s built environment. Care for the environment is embedded strongly in our core values, and we are committed to championing this worthy cause together with our stakeholders to promote environmentally sustainable developments. We have been championing and leading the building and construction industry in the development of sustainable construction and buildings, and will continue to spearhead green building strategies and initiatives towards sustainability in the built environment.

This Award marks another significant milestone in our sustainability efforts. We will continue to do our part for the environment and create a sustainable built environment with high quality living for everyone in Singapore and for our future generations.
The Building and Construction Authority (BCA) is honoured to receive the prestigious Singapore Sustainability Awards. The Award is a strong testament of BCA’s success in shaping and ‘future-proofing’ our built environment in Singapore - one that is safe, high quality, sustainable and friendly.

Together with our industry partners, we shall work towards making Singapore “A global leader in green buildings with special expertise in the tropics and sub-tropics, enabling sustainable development and quality living”
As Asia’s leading eco-developer, City Developments Limited (CDL) has been leading the industry in green building innovation since the 1990s, with a mission to ‘Conserve as it Constructs’. This foresight has made CDL one of Singapore’s foremost practitioners of Corporate Social Responsibility (CSR) today, and placed it at the forefront of Singapore’s built environment – from award-winning buildable and universal designs, to quality construction and innovation, and internationally acclaimed best practices in sustainable development.

For its commitment towards shaping a sustainable built environment, CDL was awarded the inaugural Built Environment Leadership Platinum Award in 2009 and Green Mark Platinum Champion Award in 2011 by the Building and Construction Authority (BCA). To date, CDL has developed over 70 BCA Green Mark-certified properties, with 34 awarded Green Mark Platinum – the highest amongst private developers on both fronts.

Globally, CDL is the first Singapore corporation to be listed on the FTSE4Good Index Series (since 2002), the Global 100 Most Sustainable Corporations in the World (since 2010) and Dow Jones Sustainability Indices (since 2011).

More recently, CDL was named the top Asian developer and top Singapore corporation in the Channel NewsAsia Sustainability Ranking.

ON THE SIGNIFICANCE OF SINGAPORE SUSTAINABILITY AWARDS

Climate change presents tremendous opportunities to businesses to remodel their strategy, ahead of the next wave of “green” growth.

As a leading developer and landlord, we have taken up the challenge to drive change within the built industry over the past two decades as part of our CSR efforts. As early as the mid-1990s, we have started to take a strategic approach towards sustainability.

In ‘greening’ our business, we adopt a holistic approach – from design, construction, procurement, maintenance and even user engagement – the entire building life-cycle must be aligned with environmental sustainability.

Winning the Singapore Sustainability Awards for the second time is an encouraging affirmation of CDL’s relentless pursuit of sustainable development and responsible corporate citizenry for close to two decades. CDL will continue to leverage our extensive experience in sustainability to drive long-lasting improvements in the built environment and social landscape, for the benefit of all our stakeholders.
Many Dimensions.
One Sustainable Objective.

To construct lasting value for generations.

For over a decade, conserving as we construct has been our ethos. Our life cycle approach to sustainability has led us to consider the full scope of our impact on our planet, and all the dimensions where we can do better.

From design to procurement, maintenance to user engagement, we aspire to align every aspect of our business in the direction of continued growth, creating not just sustainable developments but also sustainable lifestyles.

The building sector accounts for 40% of energy consumption globally. Going by current trends, buildings will consume the most energy by 2025, more than the transportation and industrial sectors combined.

At CDL, as Singapore’s property pioneer, we embrace our position as an impetus to innovate, invest and improve the ways buildings sustain life.

Our efforts have helped place Singapore on the world map for sustainability. We are honoured to be the first Singapore corporation to be listed on three of the world’s leading sustainability benchmarks — FTSE4Good Index Series since 2002, Global 100 Most Sustainable Corporations in the World since 2010, and Dow Jones Sustainability Indices since 2011.

For us, sustainability makes good business sense. Corporations can do well while doing good — for today and for generations to come.

Everything connects.

www.cdl.com.sg
ON THE SIGNIFICANCE OF SINGAPORE SUSTAINABILITY AWARDS

For DSM, Sustainability is one of our main strategic business growth drivers. It is all about creating sustainable value for our people (customers, shareholders and employees) and our planet. This is achieved across our life science and material science businesses through product innovations that have a measurably positive impact on our lives. Our products create more value with less environmental impact than competing alternatives commercially available.

The Singapore Sustainability Award recognises DSM for its efforts and best practices in Sustainability and acts as a driver for DSM to continually push forward to aspire and achieve more for our people and our planet.
What will we want in the future? Who can tell? We may not value what we value today. But we will certainly expect a happier, healthier, safer world. At DSM we believe Bright Science can take us there. It’s our name for an approach that brings together ideas, sustainable solutions and innovation from across Life Sciences and Materials Sciences. And it could make all our lives brighter.

LEARN MORE AT DSM.COM
Infineon Technologies Asia Pacific Pte Ltd
8 Kallang Sector, Singapore 349282
www.infineon.com

Infineon Technologies Asia Pacific Pte. Ltd., Singapore, is the regional headquarters for Asia excluding Japan. Home to Regional Sales and Marketing, Shared Services and one of three Global Logistics Hubs, Singapore is also Infineon’s Global Test Competence Centre and the largest R&D Centre in Asia, with local presence in India, Malaysia, Indonesia, Philippines, Hong Kong, China, Taiwan, Korea and Australia.

Infineon Technologies Asia Pacific Pte Ltd is a subsidiary of Infineon Technologies AG, Germany. The company offers semiconductor and system solutions addressing three central challenges to modern society: energy efficiency, mobility, and security. With close to 13,000 employees, Asia accounted for more than a-third of Infineon’s reported sales of Euro 3.84 billion in the 2013 fiscal year (ending September 30). Infineon is listed on the Frankfurt Stock Exchange (ticker symbol: IFX) and in the USA on the over-the-counter market OTCQX International Premier (ticker symbol: IFNNY).

ON THE SIGNIFICANCE OF SINGAPORE SUSTAINABILITY AWARDS

Infineon Technologies aims to enhance how people live while protecting the environment by focusing on innovative semiconductor solutions that address three central challenges of a modern society: Energy Efficiency – efficient generation, transmission and consumption of electrical energy, Mobility – efficient powering of electric high speed trains, commercial and passenger vehicles, and Security – ensuring personal freedom through protection of privacy and secured communications in a connected world.

We understand sustainability as the symbiosis of economy – our businesses address the sustainability challenges of a modern society; ecology – where and how we operate to protect our people and the environment; and social engagement – how we contribute back to our communities through education.

Being recognized as one of practitioner of sustainability excellence in Singapore inspires us to pursue and communicate our sustainability efforts in Singapore and across Asia Pacific region.

Mr Andrew Chong
President and Managing Director
Improving Life

Improving Energy Efficiency, Mobility and Security

Enhancing how people live while protecting the environment, Infineon is answering today's challenges with innovative semiconductor solutions focusing on three central needs.

- **Energy Efficiency**: Minimising power loss and maximising power savings along the entire energy supply chain.

- **Mobility**: Reducing fuel consumption and raising sustainability, safety, efficiency, and innovation in electric and hybrid vehicles.

- **Security**: Providing privacy and security with personal freedom and communication capabilities through hardware security and cryptography.

www.infineon.com
At Keppel, we believe that a successful business is synonymous with a sustainable business. We recognise sustainability as a central factor in our long-term competitiveness, and strive to continue to be a responsible corporate citizen.

As we continue forging ahead in our sustainability journey, we are honoured to have our efforts recognised by the Singapore Sustainability Awards.

Besides providing affirmation that we are on the right path, the Singapore Sustainability Awards serves as a valuable platform for companies to exchange sustainability perspectives and experiences in order to learn and improve.

By highlighting the importance of sustainability for businesses, the Singapore Sustainability Awards contributes towards encouraging companies to raise the bar and enhance their sustainability practices.

Keppel Corporation is the only industrial conglomerate and one of only four Singapore companies to be listed as an index component of the Dow Jones Sustainability Asia Pacific Index (DJSI Asia Pacific) 2013/2014.
40,000 Keppelites in over 30 countries are contributing towards shaping a sustainable future through our businesses in Offshore & Marine, Infrastructure and Property.

Passion and discipline drive us to deliver solid results year on year, and emerge stronger through every challenge. We will fortify our strengths and competencies, harnessing human, knowledge and financial capital to shape Keppel’s future.
ON THE SIGNIFICANCE OF SINGAPORE SUSTAINABILITY AWARDS

As an organisation which embraces sustainable practices, NEA is privileged to be recognized as one of the companies with outstanding sustainable business practices encompassing the economic, social and environmental aspects.

Receiving this Singapore Sustainability Awards demonstrates the commitment of NEA, as an organisation which incorporates sustainable practices such as ensuring a safe workplace, professional workforce, community involvement, resource efficiency & conservation, responsible procurement, investment and operations, for the benefit of our employees, community, environment and economy.

NEA will continue to benchmark ourselves against leading sustainable companies and collaborate closely with businesses and industries to encourage other organisations to embark on their own journey of sustainability, embracing good environmental stewardship, resource efficiency and sustainable practices.

National Environment Agency
40 Scotts Rd, #13-00 Environment Building, Singapore 228231
www.nea.gov.sg

Formed on 1 July 2002, the National Environment Agency (NEA) is the public organisation responsible for improving and sustaining a clean and green environment in Singapore. NEA develops and spearheads environmental initiatives and programmes through its partnership with the People, Public and Private sectors. It is committed to motivating every individual to take up environmental ownership and to care for the environment as a way of life.

By protecting Singapore’s environment from pollution, maintaining a high level of public health, encouraging resource efficiency and conservation and providing timely meteorological information, NEA endeavours to ensure sustainable development and a quality living environment for present and future generations.

For more information or to find out more about opportunities for collaboration, please visit www.nea.gov.sg.
The National Environment Agency (NEA) is pleased to support the Singapore Sustainability Awards 2013 organised by the Singapore Business Federation. This is in line with NEA’s continued support for companies seeking to adopt environmentally sustainable practices as a means to enhance competitiveness. These principles are also in-line with Singapore’s Sustainable Development Blueprint which emphasises the importance of achieving a balance between economic growth and a high quality living environment.

NEA fosters close collaboration with businesses and industries to encourage good environmental stewardship, resource efficiency and sustainable practices. Some of these initiatives and programmes include the Energy Efficiency Promotion Centre, Energy Efficiency National Partnership and the Singapore Packaging Agreement.

Local companies can also seek business opportunities in the region through participation in our biennial CleanEnviro Summit Singapore, which brings together leaders, senior policy makers and industry captains to identify, develop and share practical solutions to address environmental challenges for tomorrow’s cities.

Together with the business community and the industry, as well as support of Singaporeans, NEA will continue to uphold high environmental standards in maintaining clean air, land and water to achieve a sustainable and liveable Singapore.
Olam International is a leading agri-business operating from seed to shelf in 65 countries, supplying food and industrial raw materials across 16 product platforms for 13,800 customers worldwide. From first procuring cashews in Nigeria 25 years ago, today Olam has built a global leadership position in many of its businesses such as Edible Nuts, Spices & Vegetable Ingredients, Cocoa, Coffee, Cotton and Rice.

ON THE SIGNIFICANCE OF SINGAPORE SUSTAINABILITY AWARDS

Olam is listed and headquartered in Singapore and has been active in the business community for many years, including with the Singapore Business Federation.

In July we began our year-long 25th anniversary celebrations, and as we review the scale, diversity and rich experience of our business, we recognise our role in finding the solutions to tackle water security, climate change, and energy security and, ultimately, food security. Winning this award won’t solve these challenges but it will help our employees, particularly those based in Singapore, to be motivated further. The Awards and the ceremony also crucially facilitate the sharing of knowledge and learnings with others – invaluable if we are to truly make a long-term positive impact.
Securing food, fibre and shelter for future generations

www.olamgroup.com
Sindicatum Sustainable Resources (Sindicatum) is a developer, owner and operator of clean energy projects worldwide and a producer of sustainable products from natural resources and waste.

Sindicatum provides a one stop shop solution, developing, operating and financing projects that produce clean energy and sustainable resources (biogas, sustainable biomass, water and physical commodities) whilst reducing greenhouse gases and producing emission reduction credits and other environmental commodities. Sindicatum provides the in-house expertise and finance required to originate, develop and operate such projects from their inception and throughout their operational lifetime which allows the company to capture “developer economics” from its project portfolio. Sindicatum is leading the way in the sustainable utilization of the world’s natural capital.

ON THE SIGNIFICANCE OF SINGAPORE SUSTAINABILITY AWARDS

Since 2009, the Singapore Sustainability Awards have showcased the most innovative and impactful sustainable practices and green solutions among organizations in Singapore. We are, therefore, very proud that Sindicatum’s hard work and achievements in the region’s vital clean energy industry have been recognized with such an important award. As a winner of the Singapore Sustainability Awards’ SME category, we hope that our success draws attention to critical sustainability issues as well as renewable energy requirements in a region where greater awareness and action would be welcome.

Sindicatum is passionate about its role in reducing emissions and producing clean power and we thank the SBF, our local partners, our staff and the communities in which we operate for their continued support in our efforts to build a greener Asia.
What we do

Sindicatum Sustainable Resources is a global sustainable resources company headquartered in Singapore. Sindicatum is a developer, owner and operator of clean energy projects worldwide and a producer of sustainable products from natural resources and waste.

Leading the way in the sustainable utilization of the world’s natural capital

Sindicatum provides a one-stop shop solution, developing, operating and financing projects that produce clean energy and sustainable resources (biogas, sustainable biomass, water and physical commodities) while reducing greenhouse gases and producing emission reduction credits and other environmental commodities. Sindicatum provides the in-house expertise and finance required to originate, develop and operate such projects from their inception and throughout their operational lifetime.

Sustainability is integral to our business

Sustainability lies at the heart of Sindicatum’s business. We undertake our work because we believe in the strength of our company, of our business and in the importance of what we do in a broader sense. As a result we are highly motivated to achieve our goals.

We are the first company of our kind in South East Asia to demonstrate that clean energy projects in emerging markets can be profitable. In addition, our portfolio of green projects have a tremendous beneficial impact on the environment, ensure the highest HSE standards, introduce new technologies and provide jobs and skills transfer to local communities. Our corporate strategy is underpinned by clear policies that outline our commitment to sustainability and educate our staff and stakeholders on our approach to topics such as fair employment practices and zero-tolerance to corruption. Alongside strong local partnerships and our skilled, culturally diverse workforce, Sindicatum’s projects will continue to deliver social, economic and environmental benefits on local and global levels for many years to come.

Where we are: Singapore (HQ), Bangkok, Beijing, Taiyuan, Jakarta, London, New Delhi, Washington D.C.

FIRST OF ITS KIND IN SOUTH EAST ASIA

www.sindicatum.com
The Deutsche Post and DHL corporate brands represent a one-of-a-kind portfolio of logistics (DHL) and communications (Deutsche Post) services. The Group provides its customers with easy to use standardized products as well as innovative and tailored solutions ranging from dialog marketing and e-commerce related logistics to industrial supply chains. Around 480,000 employees in more than 220 countries and territories form a global network focused on service, quality and sustainability. With programs in the areas of environmental protection, disaster management and education, the Group is committed to social responsibility.

*We take on our corporate responsibility (CR) with a diverse range of programs and projects. All of our CR activities are integrated into our Group-wide corporate responsibility strategy, “Living Responsibility”.*

Deutsche Post DHL publicly announced its new corporate Strategy 2020 and confirmed ‘Living Responsibility’ as one of the group’s key goals, next to the 3 bottom lines ‘Employer of Choice’, ‘Investment of Choice’ and ‘Provider of Choice’.

**ON THE SIGNIFICANCE OF SINGAPORE SUSTAINABILITY AWARDS**

DHL is grateful to have received this prestigious recognition by the Singapore Business Federation as a sustainability leader.

Sustainable business practices are vital for a company’s long term success as well as for the well-being of the communities it operates in. This gives ‘sustainability’ a meaning which goes far beyond ‘environmental consciousness.’

This award is an important means to raise awareness of the importance of sustainable business practices, it helps inspire and encourage other companies to also adopt sustainable business practices and to demonstrate their commitment to sustainability.

Coupled with the recent listing of Deutsche Post DHL in the Dow Jones Sustainability Index World and Europe Index, this award reaffirms our Living Responsibility strategy and efforts to make a positive contribution to society and the environment.
Clean Energy Holdings Pte Ltd (CEH) is a Singapore registered company with over 30 years of research & development in Waste-To-Energy (WTE) technology. CEH provides sustainable solution in the disposal of Municipal-Solid-Waste through its breakthrough patented invention – the “Cyclonic Combustion” technology, which can combust high moisture MSW with near zero need of auxiliary fuel, at the same time producing energy contributing greatly to the environmental & economic benefit of our society.

In 2011, CEH entered a Strategic Cooperation Agreement with China Research Academy of Environmental Science Technology Engineering Ltd; China’s top R&D unit under the Environmental Ministry.

CEH has track record with more than 5 WTE projects in the region & had received two international awards: “2014 World Green Design Product Award- Golden Prize” by the World Green Design Organization & “The Best Company for Sustainability in Waste Management– Asia Pacific” by the IAIR in 2014.

ON THE SIGNIFICANCE OF SINGAPORE SUSTAINABILITY AWARDS

Singapore Sustainability Awards is an important endorsement for CEH’s winning in the Green Technology Awards category. The award which represents a “Singapore branding” will definitely give great confidence to its current & potential clients. CEH’s patented technology was invented with the objective of fuel efficiency and cost optimization for a system. One of the tangible benefits of CEH’s technology is the direct reduction of carbon emission from its plants. A 1,000 tons per day WTE plant is able to avoid approximately 200,000 tons of carbon emission annually.

CEH’s technology is implemented to clients who are conscious of the need to reduce carbon footprint. The technology is a major breakthrough and provides the region with the opportunity to solve part of the environmental woes faced by developing countries at an affordable budget.

Mr. Christopher Sim
Chairman & Chief Executive Officer
Ricoh is a global technology company specializing in office imaging equipment, production print solutions, document management systems and IT services. Headquartered in Tokyo, Ricoh Group operates in about 200 countries and regions. In the financial year ending March 2014, Ricoh Group had worldwide sales of 2,236 billion yen (approx. 21.7 billion USD).

The majority of the company’s revenue comes from products, solutions and services that improve the interaction between people and information. Ricoh also produces award-winning digital cameras and specialized industrial products. It is known for the quality of its technology, the exceptional standard of its customer service and sustainability initiatives.

Under its corporate tagline, imagine. change. Ricoh helps companies transform the way they work and harness the collective imagination of their employees.

ON THE SIGNIFICANCE OF SINGAPORE SUSTAINABILITY AWARDS

Ricoh is proud to be recognised by the Singapore Sustainability Awards two years in a row. Ricoh is constantly striving and keeping up as one of the leaders in the office solution industry. We are happy that our innovation and effort have been recognised and this motivates us to strive for sustainable technology that will benefit both the customers and environment by shaping a healthy future for business, society and the planet.

Ricoh’s sustainability commitment has stepped up to Creating Shared Value (CSV) which focuses on three principles – Good for “Environment”, “Economy” and “People”. This new approach comes together with a clear objective of maintaining competitiveness to the customers’ benefits while promoting sustainable development.

Ricoh has been committed to sustainable environmental management since 1970s. This commitment is put into practice throughout the product life cycle from product design, production, marketing activities and customer services to end-of-life product. Such practices reduce the environmental impacts, and at the same time, create economic value for the investors, clients and employees.
Driving Sustainability for Our Future


www.ricoh-ap.com
The Alternative Energy Corporation is a leading engineering and operations company that consistently and successfully delivers waste water to renewable energy projects in some of the world's most challenging environments. With nearly 100 years of cumulative operations at 27 sites, we process more than 8.5 million cubic meters of waste water and combust more than 75 million cubic meters of biogas annually. Our operations enable our client partners to implement sustainable renewable energy programs, improve margins, and meet regulatory requirements.

Being an owner operator has allowed AEC to truly understand how to manage different types of wastewater to optimize for seasonal processing changes, to stabilize biogas quality and to maximise biogas quantity.

AEC works with the client partner to continually adjust the biological processes to meet the agricultural facility’s processing and to continuously optimise the biological processes to meet the client partner's Renewable Energy requirements.

ON THE SIGNIFICANCE OF SINGAPORE SUSTAINABILITY AWARDS

The Singapore Sustainability Awards is critical for the South East Asia region's future transition to sustainable businesses and business practices. This initiative strengthens not only Singapore's, but the South East Asia region's awareness of sustainable practices and the associated benefits. The Awards effectively promote a better way of doing business and those companies that are leading the transformation to more sustainable business practices.

The Singapore Business Federation's (SBF) foresight in creating these awards is evidence of the SBF’s position as a pillar in the region's future. SBF’s leadership in recognising the efforts of Singapore-based companies and promoting leading business practices is solidifying Singapore’s position as a global and regional hub for Sustainable Development solutions and the adoption of sustainable business practices by business beyond Singapore.

For Alternative Energy Corporation, as a recipient of the Singapore Sustainability Awards for 2014, it is an honour to even be considered for the award. It is especially rewarding for our people on the ground who work every day to make an impact.

Mr Mark Houghton-Scott Leslie
Chief Executive Officer
The Alternative Energy Corporation (AEC) is a leading engineering and operations company that consistently and successfully delivers waste water to renewable energy projects in some of the world’s most challenging environments.

The Alternative Energy Corporation has nearly a 100 years of cumulative operations at 27 sites. AEC processes more than 8.5 million cubic meters of waste water and combusts more than 60 million cubic meters of biogas annually. Our operations enable our business partners to implement sustainable renewable energy programs.

Being an owner operator has allowed AEC to truly understand how to manage different types of waste water to optimize for seasonal processing changes, to stabilize biogas quality and to maximize biogas quantity.

AEC works with the Client Partner and Business Partner to continually adjust the biological processes to meet the agricultural facility’s production changes and to continuously optimize the biological processes to meet the Business Partner’s Renewable Energy requirements.

• Proven Technology Implementation
  • UASB
  • Advanced Hybrid Digester Systems
• Guaranteed COD Removal
• Guaranteed Biogas Volumes
• Guaranteed Methane Content
• Reduced Odor and Stack Emissions
• Rapid and Cost Effective Deployment
• Proven Operational Expertise
• Strong Site Safety Program
• Successful Renewable Energy Uses
  • Heat Recovery for Drying
  • Boiler for Coal Displacement
  • Boiler for Biomass Displacement
  • Engine for Diesel Displacement
  • Engine for Internal Consumption
  • Engine for Downstream Consumption
  • Engine Connection for Utility Sales
• Source to meet energy needs of the future
ON THE SIGNIFICANCE OF SINGAPORE SUSTAINABILITY AWARDS

The process of seeding a new green technology invention idea to achieving the goal of successful implementation by the industries and communities worldwide is never achieved without great efforts.

Throughout the years of development, the most challenging segment has been the recognition and the acceptance of the technology by the stakeholders, not the invention itself!

The SBF Green Technology Awards not only brands Ecospec as a home grown technology, it conjugates the pavement of Singapore Green technology to the world arena as a leader, not a follower.

Since incorporation, Ecospec has received numerous international green awards but nothing beats the warmth of encouragement flared from our home base SBF Green Technology Awards. It goes a long way to benefit our mankind ultimately and hopefully Humansaurus fossils will never come true!
ecospec

takes CO2

making the impossible possible

Our Green Technologies

CSNOx emission control system removes CO2, SOx and NOx
BacComber ULF cooling water treatment
Semb-Eco Ballast Water Treatment System
Elmag Corrosion control system
Biomag Marine bio-fouling control system

Ecospec Global Technology Pte Ltd
www.ecospec.com
60 Admiralty Road West
Singapore 759956
Tel:(65) 67522222
Sky Urban Solutions is an integrated, sustainable and green urban agriculture solution company. It was founded in Singapore in 2011 and operates Singapore’s first commercialised vertical farm, Sky Greens. The company is globally recognized pioneer in the urban vertical farming industry.

We seek to offer urban agricultural solutions to help cities address the challenges of growing sufficient food to feed its population. Our solutions optimise use of natural resources such as land, water, energy and labour and reduces carbon footprint of food production system by seamless integration of urban farming at peri-urban area.

We believe that vertical farming is a viable solution and are proud to have proven it in our Singapore-based farm. Our solution will help farmers achieve a more sustainable living through increased land productivity and by becoming an environmentally friendly high-tech farm, providing high quality, fresh and safe vegetables to their customers.

ON THE SIGNIFICANCE OF SINGAPORE SUSTAINABILITY AWARDS

The Singapore Sustainability Awards recognizes businesses with excellent implementation of innovative and sustainable practices. The recognition is important as it encourages large and small-medium enterprises to continue to innovate and invest in developing new green technologies.

We are proud to be the 2014 recipient of the Top Honour award in the Green Technology Awards category. This is a key milestone for Sky Urban Solutions and an affirmation of our contribution in providing green technologies that will enable the transformation of urban agriculture industry. We believe our solutions will not only help cities feed its population but also help improve the social and economic aspect of the agriculture industry.

Mr Jack Ng
Chief Executive Officer
Sky Urban Solutions is committed to continuously innovate and deliver integrated, sustainable and green urban agriculture solutions. Our Sky Greens farm is the world’s first hydraulic driven vertical farm. Our mission is to help Singapore increase its local food production and food resiliency. Sky Urban Solution’s internationally patented technology, has enabled our partners globally to meet the challenges of feeding their urban population.
Established in 1998, UNISEAL has evolved from a waterproofing specialist in Singapore to a growing regional waterproofing and sustainable urban greenery solution provider. Built on a platform of innovation and intellectual properties, the Group is further moving into the ecological management sector, with its range of proprietary products.

UNISEAL is engaged in the design, development, manufacture, marketing, distribution and installation of eco-labeled green roof, green wall, storm water management, sub-soil drainage and waterproofing systems for the protection of buildings against the weathering elements and to provide a green and sustainable environment within the urban landscape. The business is marketed under the distinctive and award winning trademarks: Uniseal®, PlanterCell® and Insuslab®.

The company is founded on its principle and commitment to build a sustainable environment and

Our Vision is … A Greener Today for a Better Tomorrow
Our Mission is … Everyday Innovation

ON THE SIGNIFICANCE OF SINGAPORE SUSTAINABILITY AWARDS

The Singapore Sustainability Awards by the Singapore Business Federation signals the business community’s awareness of the importance of sustainable practices and green solutions among business organisations in Singapore and its care for the environment. The Awards provide businesses with the credentials and a solid platform to showcase its practices and solutions to the world, leading to greater exposure and business opportunities in the global market. In addition it highlights the organisations’ innovativeness and giving back to society through its corporate environment responsibilities.

These are powerful statements in an era where rapid urbanisation, climate change and disruptions to the hydrological cycle are having an adverse impact on the environment and provide businesses a distinct competitive advantage. As the “green movement” gathers momentum, potential customers are assured and comforted when dealing with such accredited businesses.
Autodesk helps people imagine, design and create a better world. Everyone - from design professionals, engineers and architects to digital artists, students and hobbyists - uses Autodesk software to unlock their creativity and solve important challenges.

For over 30 years, Autodesk has been the engine driving the design of nearly everything around us. With tens of millions of customers around the world, our portfolio of software and apps empowers organizations of all sizes to help create the world’s most compelling media and entertainment and solve the most complex global design, engineering and sustainability challenges.

Sustainability is at the core of how Autodesk operates and what our technology enables our customers to achieve. Today some of the biggest challenges facing the world today are inherently problems of design. Whether focused on resource-depletion; climate change and emission reduction; increasing population; or growing urbanization, these challenges cut across industries and continents, and are infinitely complex.

ON THE SIGNIFICANCE OF SINGAPORE SUSTAINABILITY AWARDS

Creating a better world is core to what we do at Autodesk – better for the planet, better for people (both customers and employees), and better for business too.

At Autodesk our sustainability strategy focuses our efforts where we can have the greatest impact: providing the best sustainability solutions; delivering learning and training opportunities; expanding access to technology; and leading by example with our business practices.

Across our portfolio of more than 100 products and consulting services for the building, infrastructure, and manufacturing sectors, we continue to integrate analytical capabilities, robust data sets, and design principles to help our users achieve higher-quality, and more sustainable, project outcomes. Our customers use these solutions to capitalise on the increasing number of opportunities presented by the growing market transformation toward more sustainable design.

Singapore is leading the way in sustainable development by boldly tackling challenges common across many of today’s urban centres, especially in Asia. Singapore is also of strategic importance to us, since it has demonstrated strong initiative and support towards cleantech development.

QUOTE FROM SENIOR MANAGEMENT

We believe that design offers humanity our greatest hope for addressing some of these most urgent, non-negotiable challenges of our time. Sustainable design is the key to a future where we are able to provide more for everybody while demanding less from our planet.
A better world is closer than you think

Your company is dedicated to creating a better world. Autodesk is committed to helping you succeed.

The Autodesk Cleantech Partner Program provides companies like yours with an opportunity to access software that already empowers millions of engineers, architects, and design professionals worldwide. Design, visualize, and simulate your world-changing ideas through Digital Prototyping and help bring your innovative solutions to market faster and more profitably. With US$150,000* of Autodesk® software licenses for free*, a better world just got a whole lot closer.

Apply today at http://www.autodesk.com.sg/cleantech

*Estimated value is based on up to 5 commercial licenses of each application, unless otherwise noted. Autodesk Plus services can be for single user authorizations for 3 years. Free Autodesk software licenses and/or cloud-based services are subject to acceptance of and compliance with the terms and conditions of the license agreement or terms of service, as applicable, that accompany such software or cloud-based services. A $50 fee may apply in certain countries if physical media is required.

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Singapore Sustainability Awards 2013

SUSTAINABLE BUSINESS AWARDS 2013 WINNERS

Top Honour:
ECO Special Waste Management Pte Ltd
Keppel Land Limited

Achievement of Excellence:
Gammon Pte Ltd
Keppel Telecommunications
& Transportation Ltd
Swire Pacific Offshore Operations Pte Ltd

GREEN TECHNOLOGY AWARDS 2013 WINNERS

Top Honour:
Greenpac (S) Pte Ltd
Panasonic Asia Pacific Pte Ltd

Achievement of Excellence:
Akzo Nobel Paints (Singapore) Pte Ltd
Biomax Technologies Pte Ltd
Carrier Singapore (Pte) Ltd
Eltek Power Pte Ltd
Ricoh Asia Pacific Pte Ltd
Sunseap Leasing Pte Ltd
Third Wave Power Pte Ltd
Recognising the need to facilitate the development of capabilities within local organisations, and enable them to better address emerging sustainability challenges and opportunities, the Sustainable Development Business Group (SDBG) of SBF was formed to serve these purposes and function as a platform for companies interested in adoption and/or commercialisation of green solutions and responsible business practice.

It serves to connect SBF members to various industry verticals and technology partners, with facilitation assistance to available schemes and incentives for new sustainability initiatives.

SDBG also organises programmes to help drive awareness and education on Sustainability and Green Technology. The purpose of such programmes is to help catalyse the development of the Sustainability sector and enhance Singapore's business appeal in the global marketplace.

**SDBG ACTIVITIES & PROGRAMMES**

In promoting sustainability practices and the development of the GreenTech sector, SDBG conducts a spectrum of activities and programmes for its members. Some of the key events include:

- **Singapore Sustainability Awards**
  The Singapore Sustainability Awards is an initiative which showcases leading sustainable practices and innovative green solution amongst organisations in Singapore.

- **Asia Pacific Sustainability Leadership Forum**
  Organized by the SDBG, Asia Pacific Sustainability Leadership Forum (APSLF) focuses on regional sustainability pursuits and latest business opportunities with the sustainability space.

- **Singapore Sustainability Alliance**
  The Singapore Sustainability Alliance (SSAlliance) is a community comprising government agencies, trade associations and chambers, and academic institutions. It aims to help Singapore develop its position as a leading regional hub for Green Technology solutions and sustainability adoption by building a world-class cluster of sustainable development players.

- **GreenTech-focused Mission Trips / Exhibitions**
  Overseas mission opportunities with SDBG provide members the avenue to expand their marketing reach, and facilitate technology collaboration and acquisition with best-of-breed technology partners in leading GreenTech markets.

- **Seminars, Courses and Workshops**
  Through SDBG-organised learning platforms, companies are educated on sustainable development approaches and possibilities, enabling them to better address emerging sustainability challenges and opportunities.
## SBA & GTA Judging Panels

### SBA Final Awards Judging Panel

<table>
<thead>
<tr>
<th>Organization</th>
<th>Name</th>
<th>Designation</th>
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<tbody>
<tr>
<td>Economic Development Board</td>
<td>Goh Chee Kiong</td>
<td>Executive Director, Cleantech, Building &amp; Infrastructure</td>
</tr>
<tr>
<td></td>
<td>Ow Kai Onn</td>
<td>Head of Cleantech</td>
</tr>
<tr>
<td>International Enterprise Singapore</td>
<td>Kow Juan Tiang</td>
<td>Group Director, Environment &amp; Infrastructure Solutions Group</td>
</tr>
<tr>
<td>KPMG Advisory LLP</td>
<td>Sharad Somani</td>
<td>Partner &amp; Head, Infrastructure Advisory and Climate Change Services</td>
</tr>
<tr>
<td>National Environment Agency</td>
<td>Ronnie Tay</td>
<td>Chief Executive Officer</td>
</tr>
<tr>
<td>Nanyang Technological University</td>
<td>Dr S. Viswanathan</td>
<td>Professor &amp; Associate Dean (Research)</td>
</tr>
<tr>
<td>Singapore Compact for CSR</td>
<td>Christopher Ang</td>
<td>Executive Director</td>
</tr>
<tr>
<td>SPRING Singapore</td>
<td>Ho Chi Bao</td>
<td>Director, Manufacturing &amp; Engineering and International Partnership Office (Asia Pacific)</td>
</tr>
<tr>
<td>Singapore Business Federation</td>
<td>Ho Meng Kit</td>
<td>Chief Executive Officer</td>
</tr>
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### SBA Working Committee Judging Panel

<table>
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<td>Ow Kai Onn</td>
<td>Head of Cleantech</td>
</tr>
<tr>
<td>National Environment Agency</td>
<td>Dalson Chung</td>
<td>Director, Sustainability Office</td>
</tr>
<tr>
<td>Nanyang Technological University</td>
<td>Dr Khoo Hong Meng</td>
<td>Senior Lecturer, Division of Marketing and International Business, Nanyang Business School, Nanyang Technological University</td>
</tr>
<tr>
<td>Singapore Compact for CSR</td>
<td>Bernadette Low</td>
<td>Senior Manager, Marketing and Communications</td>
</tr>
<tr>
<td>SPRING Singapore</td>
<td>Daniel Soon</td>
<td>Senior Officer, CleanTech</td>
</tr>
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### GTA Final Awards Judging Panel

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<tbody>
<tr>
<td>Autodesk Asia Pte Ltd</td>
<td>Navin Kumar</td>
<td>Sustainability &amp; Cleantech Market Development Manager, ASEAN &amp; ANZ</td>
</tr>
<tr>
<td>Frost &amp; Sullivan</td>
<td>Manoj Menon</td>
<td>Managing Director, Asia-Pacific</td>
</tr>
<tr>
<td>International Enterprise Singapore</td>
<td>Ng Thye Ann</td>
<td>Divisional Director, Advanced Manufacturing Technology Division, Technology Business Group</td>
</tr>
<tr>
<td>Institute of Technical Education</td>
<td>Eden Liew</td>
<td>Principal, ITE College East</td>
</tr>
<tr>
<td>National Environment Agency</td>
<td>Joseph Hui</td>
<td>Deputy Chief Executive Officer, Technology &amp; Corporate Development</td>
</tr>
<tr>
<td>Nanyang Technological University</td>
<td>Nilesh Y. Jadhav</td>
<td>Program Director, EcoCampus @ NTU</td>
</tr>
<tr>
<td>Singapore Institute of Manufacturing Technology</td>
<td>Dr Jenny Ang</td>
<td>Initiative Lead, Energy Efficiency and Carbon Management</td>
</tr>
<tr>
<td>Singapore Business Federation</td>
<td>Victor Tay</td>
<td>Chief Operating Officer</td>
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<tr>
<td>Frost &amp; Sullivan</td>
<td>Shvaji Das</td>
<td>Senior Vice President and Global Head, Public Sector &amp; Government Practice</td>
</tr>
<tr>
<td>Institute of Technical Education</td>
<td>Catherine Soh</td>
<td>Course Manager/Electronic Systems &amp; Services, School of Electronics &amp; Info-comm Technology, ITE College East</td>
</tr>
<tr>
<td>Nanyang Technological University</td>
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ACKNOWLEDGEMENTS

Thank you!

We would like to thank the following organisations for their generous support in making the Singapore Sustainability Awards & Gala Dinner a great success:

- Autodesk Asia Pte Ltd
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- Frost & Sullivan
- International Enterprise Singapore
- Institute of Technical Education
- KPMG Advisory LLP
- Nanyang Technological University
- National Environment Agency
- Singapore Institute of Manufacturing Technology
- Singapore Compact for CSR
- SPRING Singapore

Awards Secretariat

- Victor Tay
- Joanne Guo
- Crispian Lye
- Stephen Phoon
- Jenny Tung
- Eusebius Lim
- Charlotte Lim
- Lim Hui Ting
- Olivia Phan
- December See

Last but not least, to all award recipients & participants, we greatly appreciate your enthusiastic participation and we wish you success in your journey towards sustainability excellence.