# LEADING SUSTAINABLE DEVELOPMENT – CREATING SHARED VALUES

帶領可持續發展 -創造共同價值

e mente

D. THER

HILLI

stat 1 - 1 - 1

個人有商品

Lt.P

1

\*

王武 ---

環境・社會及管治報告 ENVIRONMENT - SOCIAL AND GOVERNANCE REPORT 2019

(Incorporated in the Cayman Islands with limited liability) Stock Code: 8320



## TABLE OF CONTENTS 目錄

1	2018/19 SUSTAINABILITY HIGHLIGHTS 2018/19 可持續發展亮點	3
2	WHO WE ARE 公司簡介	4
3	ABOUT THIS REPORT 關於本報告	5
4	FOREWORD	6
5	SHAPING OUR SUSTAINABILITY CULTURE 塑造我們的可持續發展文化	8
6	POSITIONING OUR SUSTAINABILITY APPROACH 訂立我們的可持續發展方針	18
7	LEADING SUSTAINABLE DEVELOPMENT 帶領可持續發展	20
8	MANAGING OUR VALUE CHAIN 管理我們的價值鏈	28
9	CULTIVATING OUR COMMUNITY 培養我們的社區	36
10	LOOKING FORWARD 展望將來	39
11	MEMBERSHIPS AND CHARTERS 會籍和憲章	40
12	AWARDS AND RECOGNITIONS OF THE YEAR 本年度獎項與榮譽	42
13	ESG REPORTING GUIDE INDEX ESG 報告指引索引	44





## 2018/19 SUSTAINABILITY HIGHLIGHTS 2018/19 可持續發展亮點

In the journey of moving towards a sustainable development and creating sustainability values, we are delighted to share the rewarding progress recognizing our efforts and expertise to build a more sustainable future. 在邁向可持續發展和創造可持續發展價值的過程中, 我們欣然分享進展,並認證我們的努力及專業知識, 以建立更可持續的未來。





## WHO ARE WE 公司簡介

Established in 1994, Allied Sustainability and Environmental Consultants Group Limited (the "**Group**") was born out of a shared vision to bring about a sustainable future. Taking a lead on sustainable development, the Group has become the first listed sustainability and environmental consultancy service provider in the Stock Exchange of Hong Kong Limited ("**Stock Exchange**") with an extensive portfolio spanning across Hong Kong, Mainland China, the Asia Pacific region, and beyond.

Sustainability is implanted in our core businesses as well as corporate culture. In order to drive sustainability in Hong Kong, the Group's value framework revolves around conveying excellence to our clients, human capital and the environment. 沛然環保顧問有限公司(「本集團」)自1994年成立 起,便秉持實現可持續發展未來的共同願景。本集團 一直引領可持續發展,並已成為首家於香港聯合交易 所有限公司(「聯交所」)上市的可持續發展及環境 顧問服務供應商,足跡遍佈香港、中國內地、亞太區, 以及其他地區。

可持續發展植根於我們的核心業務和企業文化。為推動香港的可持續發展,本集團的價值框架旨在為客戶、 員工及環境傳遞卓越理念。



## THE FOUR PILLARS OF OUR BUSINESS 我們的四大業務





## ABOUT THIS REPORT 關於本報告

### **Reporting Period and Scope**

This Environmental, Social and Governance ("ESG") Report (the "Report") summarizes the environmental and social performances, accomplishments and highlights of the Group's main subsidiary, Allied Environmental Consultants Limited ("AEC"), in Hong Kong from 1 April 2018 to 31 March 2019 (the "Year"). All activities undertaken by other subsidiaries are excluded from this Report.

In addition to AEC's ESG performances, we would like to take this opportunity to demonstrate our leading status in Hong Kong's sustainable development.

### 報告期及範圍

本環境、社會及管治(「ESG」)報告(「本報告」) 總結沛然的環境及社會表現、成就和過去一年的亮點。 本報告涵蓋本集團主要附屬公司沛然環境評估工程顧 問有限公司(「**沛然」**)於二零一八年四月一日至二 零一九年三月三十一日(「本年度」)的業務。其他 附屬公司的所有業務均不包括在本報告範圍內。

除披露沛然的 ESG 表現以外,我們想藉此機會展示我們在香港可持續發展方面的領導地位。

### **Reporting Framework and Standards**

The Report is prepared in accordance with Appendix 20 of the Environmental, Social and Governance Reporting Guide (the "ESG Reporting Guide") issued by the Hong Kong Exchange and Clearing Limited ("HKEX") under the Rules Governing the Listing of Securities on the Growth Enterprise Market ("GEM") Listing Rules of the Stock Exchange ("GEM Listing Rules"). Information regarding AEC's Corporate Governance is addressed more in depth in the Annual Report in accordance with Appendix 15 of the GEM Listing Rules.

AEC adheres to the principles of materiality, quantitative, balance and consistency to report on the measures and performances in the Year. Historical ESG data have been included for comparison where applicable.

The Audit Committee is responsible for reviewing and overseeing this Report in compliance with the GEM Listing Rules and other applicable requirements and standards.

### Information and Feedback

For more information about our businesses, please refer to AEC's official website https://www.asecg.com.

If you have any comments or questions regarding the Report, please feel free to send them to info@aechk.com or contact us at (852) 2815 7028.

#### 報告框架及標準

本報告根據香港交易及結算所有限公司(「**香港交易** 所」)創業板(「**GEM**」)上市規則(「**GEM**上 市規則」)附錄二十的環境、社會及管治報告指引 (「**ESG 報告指引」**)所編製。根據 GEM 上市規則 附錄十五,有關沛然企業管治的相關資訊已另行於年 報中作更深入的討論。

沛然遵守重要性、量化、平衡和一致性的原則,以報告本年度的措施和表現。過往 ESG 數據亦已納入本報告用作比較(如適用)。

審核委員會負責根據創業板上市規則及其他適用的規 定和準則審閱及監督本報告。

### 聯絡資料

有關我們業務的更多資訊,請參閱沛然的官方網站 https://www.asecg.com。

如果您對本報告有任何意見或查詢,歡迎發送郵件至 info@aechk.com 或致電 (852) 2815 7028 與我們聯 繫。

## FOREWORD 前 言

### **Dear Valued Shareholders,**

On behalf of the board of Directors (the "Board"), I am delighted to take this opportunity to present our third Environmental, Social and Governance Report for the year ended 31 March 2019. In the journey of pursuing sustainable development and bringing about sustainability values, we are delighted to share our progress to demonstrate our effort and expertise to shape a more sustainable future.

### Attainment of Sustainable Development Goals

As the pioneer of sustainability consultancy service provider in Hong Kong, we are committed to the Sustainable Development Goals ("SDGs") introduced by the United Nations ("UN"). This is demonstrated through our projects and services, such as SDG 3: Good Health and Well-being; SDG 9: Industry, Innovation and Infrastructure; SDG 11: Sustainable Cities and Communities and SDG 12: Responsible Consumption and Production. AEC is pleased to showcase our SDGs path in achieving a better and more sustainable future for peace and prosperity for people and the planet, now and into the future.

### Integrating Sustainability into Green Office

AEC does not only brings sustainable values to the business community, but also strives to take the lead in the sustainability field by creating a green office through energy and water saving, resource management, education and awareness. We have been involved in various green initiatives with an aim to create a green workplace, such as Energy Saving Charter 2018 as well as Health and Wellbeing Study in Offices conducted by the Hong Kong Green Building Council.

During the Year, we have also received 30 sustainability awards and recognitions, including Best in ESG and Best in Reporting under the GEM category in the BDO ESG Awards 2019, which was organized by BDO and co-organized by South China Morning Post. These awards have demonstrated our efforts to drive sustainability through our daily operation.

### 各位尊貴的股東:

本人謹代表董事會(「董事會」)欣然發表本集團截 至二零一九年三月三十一日止年度的第三份環境、社 會及管治報告。在邁向可持續發展及創造可持續發展 價值的過程中,我們欣然分享進展,並展示我們的努 力及專業知識,以建立更可持續發展的未來。

### 達成可持續發展目標

作為一家領先的香港可持續發展顧問服務供應商,我 們透過我們的項目及服務致力達成聯合國提出的可持 續發展目標,如可持續發展目標3:良好健康及福祉、 可持續發展目標9:行業、創新及基礎設施、可持續發 展目標11:可持續發展城市和社區,以及可持續發展 目標12:負責任消費及生產。沛然欣然展示我們邁向 可持續發展目標之進程,為人類和地球現在及未來的 和平與繁榮創造一個更美好、更可持續的將來。

### 將可持續發展融入綠色辦公室

沛然不只為商界創造可持續發展價值,而且透過節水 省電、管理資源,以及提升教育及意識等方面創建線 色辦公室,務求在可持續發展領域中樹立榜樣。為創 建綠色工作場所,我們亦參與各項綠色活動,如節能 約章 2018 及香港綠色建築議會進行的「辦公室環境對 身心健康發展影響」研究,務求將可持續發展價值融 入沛然。

於本年度,我們亦榮獲 30 項可持續發展獎項及表揚, 包括由香港立信德豪會計師事務所主辦及南華早報協 辦的 2019 年 BDO 環境社會及管治大獎創業板類別中 的 ESG 最佳表現大獎及最佳 ESG 報告大獎。這些獎 項標誌著我們在日常營運中推動可持續發展的努力獲 得認同。



### Encouraging Sustainability through External Stakeholder Engagement

AEC sees knowledge sharing as part of our responsibility to educate businesses and public on sustainable future. We have hosted and participated in over 20 different lectures, seminars, talks, and forums for students and industry partners during the Year. Furthermore, we have sponsored and supported over 10 industry events including forums, symposiums and conferences, in order to raise public awareness of sustainability and facilitate the exchange of knowledge into various sustainability-related topics among local and international industry practitioners.

### 向社會外界鼓勵可持續發展

沛然積極鼓勵企業及公眾參與可持續發展未來的討論, 並視知識共享為職責之一。我們於本年度舉辦及參與 超過 20 場講座、研討會、會談及論壇,與學生及業界 人士交流。此外,我們亦贊助並支持10多個行業活動, 包括論壇、座談會和會議,以提高公眾對可持續發展 的意識,以及促進本地和國際業界人士就各種可持續 發展相關主題互相交流。

## Spreading Care to the Community and Promoting Greener Society

AEC is fully devoted to creating sustainable values for the communities through various voluntary activities and charities. The Group has been involved in 8 community events and projects through various kinds of support including participation and sponsorship. We have also encouraged our staff to join us in supporting various community events, such as , the Biz-Green Dress Day, Hong Kong Green Day 2018 and A Day with Food Angel, with an aim to strengthen team spirit whilst contributing to the community.

On behalf of the Board and our management team, I would like to express my sincere gratitude to our staff members, business partners, and clients for their unfailing support over the past financial year. As we move ahead, the Group will continue to explore more opportunities to enhance our ESG performance and make a greater contribution to the city's sustainability landscape.

### 關懷社區及推廣綠色社會

沛然致力透過參與各種義工及慈善活動為社區創造可 持續發展價值。本集團通過各種參與和贊助,為8項 社區活動和項目出一分力。我們亦鼓勵員工共同支持 各種社區活動,其中包括「輕·型」上班日、香港綠 色日 2018 及惜食堂義工活動,以期為社區貢獻的同時 加強團隊精神。

本人謹代表董事會及管理團隊衷心感謝所有員工、業務夥伴及客戶於過往財政年度的鼎力支持。本集團將 繼續勇往直前,尋找更多機會為集團提升環境、社會 及管治表現,為本港的可持續建築環境作出更重大的 貢獻。

Kwok May Han Grace Chairman and Executive Director 30 September 2019

**郭美珩** 主席兼執行董事 <sub>二零一九年九月三十日</sub>



## SHAPING OUR SUSTAINABILITY CULTURE 塑造我們的可持續發展文化

### **Sustainability Vision and Mission**

With the commitment to create sustainability values, AEC has developed our sustainability visions to lead to long-term sustainable development:

### 可持續發展願景和使命

沛然致力創造可持續發展價值,並已訂立可持續發展 願景以帶領長期的可持續發展:



Restyling the cities with sustainable building designs 利用可持續建築設計重塑城市



Providing advanced mitigation solutions to minimize environmental impacts

> 提供先進的緩解方案 將對環境影響減至最低

Inspiring corporate social responsibility by adding sustainability values into business frameworks

將可持續發展價值貫徹業務框架 激發企業社會責任



Educating the public through raising awareness and sharing knowledge on sustainability issues

### 通過提高可持續發展議題認知和分享 相關知識教育各個行業



Shaping a green future for the continuity of the greater good

締造線色未來 以延續美好世界





### Sustainability Shaping Journey

Since our humble inception, AEC has witnessed the rewarding milestones along the way of realizing our visions:

#### 可持續發展塑造路程

自沛然成立以來,我們已在實現願景的過程中見證豐 盛的里程碑:





### **ESG Framework**

In order to fulfil the vision towards sustainability, AEC has established an Environmental, Social and Governance Committee (the "ESG Committee") which is chaired and managed by the Board. The ESG Committee supervises all ESG related matters and reports to the Board. The ESG Committee is responsible for developing and reviewing ESG related policies and practices to reinforce AEC's sustainable development and promote corporate social responsibility.

### ESG 框架

為實現邁向可持續發展的願景,沛然已成立一個由董 事會主持和管理的環境、社會及管治委員會(「ESG 委員會」)。ESG 委員會負責監督所有與 ESG 相關 事宜並向董事會報告。ESG 委員會負責制定和審查與 ESG 相關政策和實踐,以加強沛然的可持續發展並促 進企業社會責任。





### **Five ESG Commitments**

The ESG Committee holds regular meetings during the Year to review our ESG progress to seek areas for improvement. To keep up with the emerging sustainability trends and fulfill our ESG obligation, the ESG Committee has introduced a new commitment into our agenda:

### 五大 ESG 承諾

ESG 委員會在本年度定期召開會議,審查我們的 ESG 進展,以尋求改進空間。為符合日新月異的可持 續發展趨勢並履行我們的 ESG 責任,ESG 委員會已 在我們的議程中加入新承諾:







### **Sustainable Development Footprints**

In November 2018, AEC held an annual cocktail reception at sky100 Hong Kong Observation Deck at the International Commerce Centre ("ICC"). As the first sustainability and environmental consultancy enterprise listed on the Stock Exchange, we were honored to celebrate and share some key highlights of our projects as well as our ongoing commitment of leading sustainable development with around 200 prestigious guests, including industry leaders, business partners, friends, colleagues, and our valued clients.

With the rising expectation and standard of environmental stewardship following the Paris Agreement, we look forward to realizing our commitment to the UN's SDGs, with particular emphasis on stepping up our climate actions, in enhancing the

### 可持續發展足跡

沛然於二零一八年十一月在坐落環球貿易廣場 (「ICC」)的天際100 香港觀景台舉行周年酒會。 作為香港首家上市的可持續發展和環境顧問公司,我 們很榮幸能夠邀請近200位業界先驅、業務夥伴、各 界好友、公司員工,以及長期客戶親臨酒會,與他們 慶祝和分享項目的豐碩成果,並在他們的見證下承諾 繼續引領可持續發展。

隨著巴黎協定正式生效,環境管理的期望和標準不斷 提高,我們期待實現我們對聯合國可持續發展目標的 承諾,並特別加強我們的氣候行動,以改善香港的生 活和可持續發展。











In 2015, the UN introduced the 2030 Agenda for Sustainable Development, which poses a long-term blueprint and vision for all countries to join hands in improving and tackling a comprehensive set of global issues.

At the forefront of Hong Kong's sustainable development, AEC will demonstrate our commitment to the SDGs. As we set sail on our journey towards a collaborative sustainability leadership, we are pleased to showcase our SDGs path in our projects and services during the Year: 於二零一五年,聯合國推出二零三零年可持續發展議 程,並提出長遠藍圖和願景,讓所有國家攜手改善和 應對一系列的全球問題。

沛然站在香港可持續發展的前端,將展示我們對可持 續發展目標的承諾。在走向可持續發展先驅的過程中, 我們欣然透過本年度的項目和服務展示我們邁向可持 續發展目標的旅程:



In pursuance of reciprocal global development, we seek to map out and expand our footprints and commitments to the SDGs as we move further along the path. 為實現互惠的全球發展,我們在邁向可持續發展目標 的同時,致力擴大實現目標的足跡和承諾。



### **Sustainability Policy**

Sustainability is a pivotal part of AEC's culture and business direction. AEC endeavors to incorporate sustainability into its operation strategies, policies and corporate values. In this regard, the ESG Committee has established sustainability policies to raise the sustainability awareness among AEC.

#### 可持續發展政策

可持續發展是沛然的文化和業務方向的關鍵。沛然致 力將可持續發展納入其營運策略、政策和企業價值。 有見及此,ESG 委員會已制定可持續發展政策,以提 高沛然的可持續發展意識。



### **Corporate Governance**

AEC strives to maintain high standards of integrity, transparency and ethics to solidify sound corporate governance. Thus, AEC prohibits all staff from soliciting or accepting bribes to prevent any malpractice or misconduct. Our staff handbook sets out guidelines and procedures for employees to conduct business in an ethical and honest manner.

We have also developed a whistleblowing mechanism for employees to report any suspicious cases through anonymous reporting box and email system to the administrative/human resources department. The legal department is responsible for reviewing and investigating the reported case for necessary follow up actions. During the Year, AEC was not aware of any material non-compliance with any relevant laws and regulations with regard to anti-corruption.

### 企業管治

沛然致力維持誠信、透明度和道德,以鞏固良好的企 業管治。因此,沛然禁止所有員工索取或接受賄賂以 防止任何舞弊或不當行為。我們的員工手冊為員工制 定道德和誠實地進行公務的指引和程序。

我們亦已設立舉報機制,讓員工通過匿名舉報箱和電 郵系統向行政/人力資源部門舉報任何可疑案件。而法 律部門則負責審查和調查舉報案件,以便採取必要的 跟進行動。於本年度內,沛然並無發現任何重大違反 與反貪污有關的法律法規之情況。



### **Green Office**

In addition to our sustainability services, AEC attaches great importance to environmental stewardship. To embed sustainability values into AEC, we have integrated various green elements in the workplace. Besides, we have participated in various green initiatives during the Year.

### 綠色辦公室

除了提供可持續發展服務外,沛然亦非常重視環境管 理。為了將可持續發展價值融入沛然,我們在工作場 所納入各種綠色元素。此外,我們在本年度已落實各 項環保舉措。



Office Sustainability Integration 貫徹辦公室可持續性			
	Clear lighting and air-conditioning zoning <b>清晰的照明和空調分</b> 區	Α	
Energy Saving 節能	Grade 1 energy label refrigerator 一級能源標籤雪櫃	в	
	Energy Saving Charter 2018 <mark>節能約章 2018</mark>	С	
Water Saving Water saving logos as reminders   節水 節水提示標誌		D	
	Reusable containers and utensils 可重用的容器和餐具	Е	
Resource Management 資源善用	Recycling bins <mark>資源回收箱</mark>	F	
	Paperless publication such as ESG Report and newsletters 無紙化出版物,如 ESG 報告和通訊	G	
Education and Awareness	Sustainability Policies in place 制定可持續發展政策	н	
Awareness 教育及意識	Participation in various green events <b>支持各類綠色活動</b>	Ι	







### Initiative 舉措

Hong Kong Green Building Council – Health and Wellbeing Study in Offices 香港綠色建築議會 – 辦公室環境對身心健康發展影響研究



### Environmental Performance Overview (Note 1 & 2)

環境績效概況<sup>(附註1及2)</sup>

	Energy <b>能源</b>	unit 單 <mark>位</mark>	2018/19	2017/18
$(\mathbf{A})$	Electricity Consumption 耗電量	kWh 千瓦時	65,684	60,613
	Fuel Consumption 燃料耗量	L 升	658	695
	Total Energy Consumption 總能源耗量	GJ 千兆焦耳	22,737	23,977
	Energy Intensity 耗電密度	kWh/Employee 千瓦時 / 員工	413.39	435.95
	Greenhouse Gases 溫室氣體	unit 單 <b>位</b>	2018/19	2017/18
GHG	Scope 1 GHG Emissions 範圍 1 溫室氣體排放	tCO <sub>2</sub> e 噸二氧化碳當量	1.55	1.64
Che	Scope 2 GHG Emissions 範圍 2 溫室氣體排放	tCO₂e 噸二氧化碳當量	52.55	48.04
	Total GHG Emissions 總溫室氣體排放	tCO₂e 噸二氧化碳當量	54.10	49.68
	GHG Emissions Intensity 溫室氣體排放密度	tCO2e/Employee 噸二氧化碳當量 / 員工	0.98	0.90

Waste <b>廢棄物</b>	unit 單 <b>位</b>	2018/19	2017/18
Procured A3 and A4 paper 已採購 A3 及 A4 紙張	sheets 張	157,500	200,000
Recycled General Waste 已回收廢棄物	tons 噸	0.40	N/A 不適用

Note 1: AEC's Scope 1 Greenhouse gas ("GHG") emission refers to energy direct emissions, including the consumption of fuel for company-owned private cars. AEC's Scope 2 GHG emission refers to energy indirect emissions, including the consumption of purchased electricity. The relevant emission figures are calculated with reference to EPD's Guidelines to Account for and Report on Greenhouse Gas Emissions and Removals for Buildings (Commercial, Residential or Institutional Purposes) in Hong Kong (2010 Edition).

Note 2: AEC started to record the amount of recycled general waste (e.g. plastic, paper and aluminum) in the office this Year; thus, the relevant data from last Year are not disclosed.

In view of the slight increase in our electricity consumption and carbon footprint, we are committed to progressively upgrade the office equipment and enhancing a green office mind-set in a bid to meet our emission target. 附註 1: 沛然的範圍 1 溫室氣體排放為公司私家車消耗燃料所致的直接 排放。而沛然的範圍 2 溫室氣體排放為消耗所購買電力所致的 間接排放。相關排放數字乃參考由環保署所編制的《香港建築 物(商業、住宅或公共用途)的溫室氣體排放及減除的核算和 報告指引》(2010 年版)所計算。

附註 2: 沛然於本年度開始在辦公室記録已回收的一般廢棄物(例如塑料、紙張和鋁)的數量;因此,未有公佈上年度的相關數據。

有見及我們的耗電量和碳足跡略有增加,我們致力逐步提升辦公設備的級別並提升綠色辦公室思維,以實現我們的排放目標。



During the Year, we have received various awards and recognitions to reflect our efforts on environmental protection:

於本年度,我們榮獲不同獎項和表揚,反映我們在環 保方面所付出的努力獲得認同:



## POSITIONING OUR SUSTAINABILITY APPROACH 訂立我們的可持續發展方針

### Stakeholder Engagement

Active two-way communications with stakeholders is the key for AEC to drive towards a meaningful and long-term sustainability blueprint. In light of this, AEC values the views of all stakeholders and has set up a wide range of communication channels for different stakeholder groups:

### 持份者參與

與持份者保持雙向溝通,是沛然落實長遠可持續發展 藍圖的重要一環。有見及此,沛然重視所有持份者的 觀點,並為各類持份者建立多種溝通渠道:





### **Materiality Assessment**

In order to identify and address the material ESG-related topics, AEC has set out a list of ESG-related topics significant to our operations. Both internal and external stakeholders had participated in the ESG survey to rate each topic's importance to AEC.

Based on the survey results, a materiality matrix is constructed to portray AEC's key material topics. In response to stakeholders' feedback, the Board and the ESG Committee shall take the initiative to embed the identified topic into AEC's business and sustainability strategies.

### 重要性評估

為確定和解決與 ESG 相關的重要議題,沛然已列出與 我們的營運息息相關的重要議題。內部和外部的持份 者均已參與 ESG 調查,以評估各議題對沛然的重要 性。

根據調查結果,沛然已構建一個重要性矩陣以展示重 要議題。為回應持份者的反饋,董事會和 ESG 委員會 會主動將已識別的議題納入沛然的業務及可持續發展 策略中。



Environment 環境	
Sustainable operation 可持續營運	Α
Management of internal environmental impacts 內部環境影響管理	В
Resource usage 資源使用	С
Waste management 廢棄物管理	D
Procurement practices 採購方法	Е
Climate change and GHG emissions 氣候變化和溫室氣體排放	F
Provide sustainable solutions 提供可持續的解決方案	G

Social 社會		
Subcontractor quality 承包商的質素	н	
Management and employee communication 管理層與員工的溝通	Т	
Anti-corruption and integrity 反貪污與廉潔	J	
Employee benefits and welfare 員工待遇及福利	к	
Training and development 培訓及發展	L	
Occupational health and safety 職業健康與安全	м	
Work environment 工作環境	Ν	
Community investment 社區投資	0	



## LEADING SUSTAINABLE DEVELOPMENT 帶領可持續發展

As the pioneer of sustainability consulting in Hong Kong, AEC leverages on experience to expand our services in the industry to shape a sustainable city.

作為香港可持續發展顧問的先驅,沛然憑藉我們的經 驗為業界拓展服務,並締造可持續發展城市。

### MAPPING OUR SUSTAINABILITY FOOTPRINTS

Our Footprints Across Hong Kong during the Year:

### 繪製我們的可持續足跡

我們本年度遍佈於香港的足跡:



### GREEN BUILDING CERTIFICATION CONSULTANCY 綠色建築認證顧問



AEC's green building certification consultancy service provides environmental design and one-stop certification application services to improve sustainability in new and existing buildings. Leveraging on our expertise in Building Environmental Assessment Method ("BEAM/BEAM Plus"), Leadership in Energy and Environmental Design ("LEED"), China Green Building Design Label ("China GBL") and Building Research Establishment Environmental Assessment Method ("BREEAM"), we assist our diverse clients to meet global green building standards.

During the Year, we have made substantial efforts in achieving project success and strengthening our leading role in Hong Kong and Mainland China. Eight building projects, in which we were involved as a BEAM Professional and sustainability consultant, received awards in the BEAM Plus Certification Ceremony 2018 jointly organized by the Hong Kong Green Building Council and BEAM Society Limited. In addition, AEC has become the only Hong Kong based sustainability and environmental consultancy selected as one of the ten members in the 2019 U.S. Green Building Council ("USGBC") Roundtable in Greater China. These achievements have strengthened our leadership in the green building consultancy market at the local and regional levels.

### SDG 11:

Make cities and human settlements inclusive, safe, resilient and sustainable 可持續發展目標 11: 使城市和人類定居點具有包容性、安全性、適應 性和可持續性

沛然的綠色建築認證顧問服務提供環境設計及一 站式認證應用服務,以提高新建和既有建築的可 持續發展表現。有賴我們於建築環境評估法/綠 建環評(「BEAM/BEAM Plus」)、領先能源與 環境設計(「LEED」)、中國綠色建築評價標識 (「China GBL」)以及英國建築研究院環境評估方 法(「BREEAM」)方面的專業知識,我們幫助多元 化的客戶達到全球綠色建築標準。

為達致項目成功及鞏固我們於香港及中國內地的領導 角色,我們於本年度付出莫大努力。由我們所擔任 緣建專才及可持續發展顧問的八個樓宇項目於香港綠 色建築議會及建築環保評估協會有限公司合辦的二零 一八年綠建環評頒獎典禮中均獲頒獎項。此外,沛然 已成為唯一一間建基香港的可持續發展及環境顧問公 司,獲選為二零一九年美國綠色建築議會大中華區十 大圓桌成員之一。該等成就於本地及地區層面上加強 我們於綠色建築顧問市場的領導角色。



### GREEN BUILDING CERTIFICATION CONSULTANCY 綠色建築認證顧問

### **Green Building Project Achievements**

The total saving of BEAM Plus and LEED assessed projects from 2016/17 to 2018/19 compared to their respective baseline standards is shown below:

### 綠色建築項目成果

與其各自的標準相比,由二零一六/一七年度至二零 一八/一九年度共獲 BEAM Plus 和 LEED 認證項目 的總節省量為:



349 million liter estimated water reduction = 140 olympic-sized swimming pools 349 百萬升預計減水量 = 140 奧運會規模游泳池

### GREEN BUILDING CERTIFICATION CONSULTANCY 綠色建築認證顧問

### Greening the Hub of Central: Chater House

Taking the leading role to embrace a sustainable journey, AEC is involved in building up green portfolio of Hongkong Land Group ("Hongkong Land") in Central, in the heart of Hong Kong. Chater House, the hub of Hongkong Land's portfolio in Central, has been awarded the highest Platinum rating for Hong Kong BEAM Plus.

AEC worked closely with Hongkong Land to provide gap analysis, education sessions, technical studies and support to demonstrate green operation and maintenance. AEC has also helped Hongkong Land to reduce the adverse environmental impacts by improving the energy management, waste management and building maintenance in Chater House.

Upon completion, Hongkong Land's Central portfolio will enhance our capability of providing green building consultancy service in the local market, which consists of over 42,000 buildings and offers potential opportunities for existing buildings to go green.

### 緣化中環樞紐:遮打大廈

沛然參與建立香港置地集團(「**香港置地」**)位於香港心臟地帶中環的綠色項目組合,引領可持續發展進程。作為香港置地於中環物業組合之樞紐,遮打大廈已獲頒 BEAM Plus 最高級別的鉑金級評級。

沛然與香港置地緊密合作,從中提供差距分析、培訓 課程、技術研究和全方位的支持,以展示樓宇的綠色 營運和保養。沛然亦通過改善遮打大廈的能源管理、 廢棄物管理和建築維修,以幫助減少香港置地對環境 的負面影響。

在項目完成後,香港置地的中環物業組合將鞏固我們 在本地綠色建築顧問市場的實力,以迎接超過42,000 幢既有建築物所帶來的龐大商機。



### SUSTAINABILITY AND ENVIRONMENTAL CONSULTANCY 可持續發展及環境顧問



AEC's sustainability and environmental consultancy service provides sustainable design solutions to architects for urban regeneration, sustainable development and integrated planning. In addition to providing environmental designs, we also help to ensure the health and wellbeing within and near the built environment. The solutions include but are not limited to providing environmental impact assessment, noise impact assessment, air quality impact assessment, air ventilation assessment, carbon & energy audit and construction environmental study.

### SDG 3:

Ensure healthy lives and promote well-being for all at all ages 可持續發展目標 3: 確保健康生活,促進所有年齡層的福祉

沛然的可持續發展及環境顧問服務為建築師提供可持 續設計解決方案,以實現城市活化、可持續發展和綜 合規劃。除了提供環境設計外,我們亦幫助確保建築 環境和附近範圍的健康和福祉,當中的解決方案包括 但不限於提供環境影響評估、噪音影響評估、空氣質 素影響評估、空氣流通評估、碳/能源審計及建築環 境研究。

### Promoting Animal Health: Animal Management and Animal Welfare Building Complex under the Agriculture, Fisheries and Conservation Development

For the policy objectives of public health, AEC conducted environmental assessment and provided environmental design solutions for the development of Animal Management and Animal Welfare Building Complex under the Agriculture, Fisheries and Conservation Development ("AFCD"). The building design focuses on safeguarding and promoting the welfare of animals, controlling diseases in the local animal population and enhancing the implementation of animal management initiatives.

### 促進動物健康:漁農自然護理署動物管理及動物 福利綜合大樓

為保障公共衞生,沛然為漁農自然護理署(「**漁護署」**) 旗下的動物管理及動物福利大廈的發展進行環境評估 並提供環境設計解決方案。而建築設計的重點為保護 並促進動物的福利、控制本地動物的疾病並加強動物 管理舉措的實施。



### ACOUSTIC, AUDIO-VISUAL AND LIGHTING DESIGN CONSULTANCY 聲學、視聽及照明設計顧問



AEC's acoustic, audio-visual and lighting design consultancy services assist architects and engineers to test and evaluate environmental performance of various materials and products for buildings. The services include, but are not limited to architectural acoustics, building acoustics, mechanical service and airborne noise control, sound reinforcement and public address system, architectural and facade lighting system as well as theater planning and stage equipment systems.

### SDG 9:

Build resilient infrastructure, promote inclusive and sustainable industrialization and foster innovation

可持續發展目標 9:

建立有彈性的基礎設施、促進包容性和可持續的 工業化及促進創新理念

沛然的聲學、視聽和照明設計顧問服務協助建築師和 工程師測試及評估各種建築材料和產品的環境性能。 這些服務包括但不限於建築聲學、樓宇建築聲學、機 械服務和空氣噪音控制、擴聲和公共廣播系統、建築 和立面照明系統以及劇院規劃和舞台設備系統。

### Combining Natural Landscape and Modern Designs: Hangzhou Joe Lalli Narada Resort

The Hangzhou Joe Lalli Narada Resort, a newly-built 5-star hotel in Moganshan Zhejiang Province, was AEC's first ever integrated audio-visual, acoustic and lighting design and consultancy project. The interior design features the natural concepts of "Green Mountains", "Rainclouds" and "Waterfall" to bring out a relaxing sensation. The innovation lighting designs allow the hotel to create a natural environment, setting an example of how a newly-built hotel complex can promote flexible and sustainable modernization while elevating users' experience.

### 融合自然景觀和現代設計:杭州莫幹山郡安里君 瀾渡假酒店

位於浙江省莫幹山的杭州莫幹山郡安里君瀾渡假酒店 為新建的五星級酒店,是沛然首個綜合視聽、聲學和 照明設計與顧問的項目。室內設計以大自然的「綠 山」、「雨雲」和「瀑布」為概念,營造出輕鬆的感覺。 而創新的照明設計使酒店融入周圍的自然環境,促進 新建酒店大樓的靈活和可持續的現代化,亦同時提升 用戶體驗。





### ESG REPORTING AND CONSULTANCY ESG 報告及顧問



AEC's ESG Reporting and Consultancy services have evolved over time. We take a further step to provide not only sustainability reporting services but also other value-added services, such as stakeholder engagement, materiality assessment, performance analysis, Global Real Estate Sustainability Benchmark ("GRESB") consultancy, and sustainable development strategies.

In our service, we focus on enhancing ESG awareness and mitigating ESG risks. Our aspiration is to empower a sustainable economy and implant sustainability values by driving corporate sustainability and aiming to achieve SDG 12 to ensure responsible consumption and production patterns. SDG 12: Ensure responsible consumption and production patterns 可持續發展目標 12: 負責任的消費及生產

沛然的 ESG 報告和顧問服務正逐步提升。除了提供可持續發展報告服務,我們亦進一步提供其他增值服務,如持份者參與、重要性評估、績效分析、全球房地產可持續性標準(「GRESB」)諮詢和可持續發展策略。

在我們的服務中,我們注重提高 ESG 意識和降低 ESG 風險。我們盼望通過推動企業可持續性和呼應可 持續發展目標 12,以確保負責任的消費和生產模式, 從而加強可持續經濟並注入可持續發展價值。



To assure the quality of our services, AEC has become a Certified Carbon Auditor ("**CCA**") and AccountAbility ("**AA**") organization Licensed Assurance Provider.

In this Year, we have received several awards at the BDO ESG Awards 2019 Presentation Dinner that demonstrate our capability of delivering award-winning ESG reports.



為確保我們的服務質素,沛然已成為經認證的碳排核數師 (「CCA」)和 AccountAbility(「AA」)組織認可登錄之 報告書查證單位。

於本年度,我們更於二零一九年 BDO 環境、社會及管治大獎 頒獎典禮中獲頒多個獎項,反映我們編製獲獎報告的能力獲得 認同。



### ESG REPORTING AND CONSULTANCY ESG 報告及顧問

In the Year, our diversified ESG client pool ranges from various business sectors in Greater China and across the continents:

本年度內,我們多元化的 ESG 客戶涵蓋大中華區以至 全球多地的各行各業:



## MANAGING OUR VALUE CHAIN 管理我們的價值鏈

As a sustainability advisory consultancy firm, AEC is keen to create a culture of sustainability throughout our value chain. We take the initiative to create shared values among our employees, suppliers/ contractors as well as our clients.

ALLIED SUSTAINABILITY AND ENVIRONMENTAL CONSULTANTS GROUP LIMITED 沛然環保顧問有限公司

> 作為可持續發展顧問公司,沛然熱衷於將可持續發展 植根於價值鏈之中。我們積極在員工、供應商承包商 以及客戶之間創造共同價值。





### **Employees**

Taking care of our dedicated employees has always been a crucial part to implement values of sustainability in our business. We are committed to shaping an innovative and cohesive workforce through promoting their rights, development, wellbeing and the corporate culture.

### 員工

我們一直視關懷員工為貫徹可持續發展營商理念的重要一環。透過促進他們的權利、發展、福祉和企業文化,我們承諾建立一支創新和充滿凝聚力的員工團隊。



### **Equal Opportunities**

AEC respects the fundamental rights of our employees and job applicants. We adopt an equal-opportunity and non-discriminatory approach in our employment policies. Any forms of discrimination in term of gender, age, ethnicity or religion or otherwise are strictly prohibited. The administrative/human resources department also verifies candidates' valid identity documentation, age, and working permit to prevent child labor, forced labor and other forms of unlawful labor.

During the Year, AEC has joined the Gender Focal Point ("GFP") Network among Listed Companies set up by the Labour and Welfare Bureau and the Women's Commission. We take the initiative to promote gender equality and enhance awareness in gender-related issues.

### 平等機會

沛然尊重我們的員工和應徵者的基本權利。我們採納 平等機會及零歧視方針以制定我們的僱傭政策。不論 是基於性別、年齡、種族或宗教,任何形式的歧視均 被嚴格禁止。行政/人力資源部門亦會核實應徵者的有 效身份證明文件、年齡和工作許可證,以防止童工、 強制勞工和其他形式的非法勞工。

於本年度,沛然已加入勞工及福利局和婦女事務委員 會為上市公司設立的性別課題聯絡人(「GFP」)。 我們積極地促進性別平等並提高對性別課題的了解。



Women's Day Celebration 慶祝婦女節



- Note 1 : The senior management includes our managing directors, directors, associate directors, and principal consultants.
- Note 2 : Other working staff include our technicians and employees from the administrative/human resources department, marketing and communications team, and finance and accounting team.

### **Professional Development**

To help employees climb up the career ladder, we encourage employees to enhance their knowledge and skills and network with other professionals for future opportunities.

Our mentorship program is set out to equip interns and assistant consultants with necessary and practical skills in every stage of their career in AEC. We provide them with hands-on experience to enhance their professional skills. Our senior management or team leaders conduct annual staff appraisal to evaluate employees' performance and understand their training needs.

To enhance employees' knowledge, we provide study leave and allowance for employees attending trainings, seminars, certificate programs or professional examinations. We have also tailored a number of sustainability or professional development-related trainings. We have also invited sustainability experts to share their professional knowledge and experience, letting our staff broaden their professional horizons.

Since 2009, we have been partnering with the Student Industrial Attachment Program of Hong Kong Institute of Vocational Education ("IVE") to provide final year students with internship opportunities, cultivating local talents.

- 附註1:高級管理層包括我們的董事總經理、董事、副董事和首席顧問。
- 附註 2:其他員工包括我們的技術人員、行政 / 人力資源部門、市場推 廣及傳訊部門,以及財務和會計部門的員工。

### 專業發展

為協助員工發展其職業路向,我們鼓勵員工增強知識 和技能,並與其他專業人士聯繫,從而提高未來機會 的潛力。

我們的輔導計劃旨在為實習生和助理顧問提供在沛然 的職業生涯中每個階段的必要和實用技能。我們為他 們提供實踐經驗,以提高他們的專業技能。我們的高 級管理層或部門主管會進行年度員工評估,以評估員 工的表現並了解他們的培訓需求。

為擴大我們的人才庫,我們為參加培訓、研討會、證 書課程或專業考試的員工提供學習假期和津貼。我們 亦已制定一系列與可持續發展或專業發展相關的培訓。 我們亦曾邀請可持續發展專家分享他們的專業知識和 經驗,使我們的員工進一步擴闊他們的專業視野。

自二零零九年以來,我們已跟香港專業教育學院所舉 辦的學生工作實習計劃合作,為即將畢業的學生提供 實習機會,培育本地人才。



### **Employees' Wellbeing**

AEC cares about employees' welfare and is dedicated to supporting their wellbeing. We ensure reasonable working hours and paid holidays in accordance with the local employment laws and requirements. Additionally, we offer additional staff benefits such as performance bonus, special paid leaves, and corporate fitness discount.

Fostering a pro-family culture, we have family-friendly employment practices in place that promote work-life balance and family values. In the Year, we were recognized as a "Family-Friendly" Employer by the Home Affairs Bureau and the Family Council.

We have participated in the "Health and Wellbeing Study in Offices" conducted by the Hong Kong Green Building Council this Year, aiming to evaluate employees' satisfaction level towards health and wellbeing factors in the work space and promote a healthy office space.

As we continue to upgrade employees' wellbeing program, some of the initiatives implemented for an Eco-Healthy Workplace include:

### 員工福祉

沛然關心員工的福利,並致力支持他們的福祉。我們 確保根據本地僱傭法例和要求提供合理的工作時間和 有薪假期。此外,我們亦提供額外的員工福利,如花 紅、特殊帶薪休假和公司健身折扣。

為培養親家庭文化,我們已制定合適的家庭友善僱傭 措施,促進工作生活平衡和家庭價值。於本年度,我 們獲民政事務局和家庭議會認可為「家庭友善」僱主。

我們參與由香港綠色建築議會於本年度進行的「辦公 室環境對身心健康發展影響」研究,以評估員工對工 作空間在身心健康方面的滿意程度,從而締造一個健 康的工作間。

我們不斷提升員工的福利計劃,並為健康工作間實施 以下舉措:





Constructing an inclusive culture among our high caliber employees, we have arranged a variety of cross-team staff activities. These activities help to strengthen employees' communication and create shared values.

我們安排各種跨部門的員工活動,為我們的優質員工 建構共融文化,有助加強員工之間的溝通,並創造共 同價值。



Christmas Party 聖誕節派對



Chinese New Year Lunch 農曆新年午聚





Team Lunch 團隊午聚



### Suppliers and Subcontractors

### Our suppliers and subcontractors are our valuable partners in ensuring our smooth operations. We aim to uphold strong ESG values among our suppliers and subcontractors.

供應商和承包商

我們的供應商和承包商是確保我們順利營運的重要夥 伴。我們旨在與供應商和承包商一起秉持強大的 ESG 價值。



We have joined the Green Council's Sustainable Procurement Charter as a member and are committed to implementing sustainable procurement practices. We have also become a Sustainable Consumption Enterprise in Business Environment Council ("BEC")'s "Fostering Sustainable Consumption for Hong Kong Business and the Community" program.



我們已加入成為環保促進會的可持續採購約章的成員, 並致力推行可持續採購措施。我們亦已成為商界環保 協會(「BEC」)的「推動香港商界及社區可持續消費」 計劃的支持可持續消費行為企業。





### Clients

Our diversified client portfolio ranges from government authorities, property developers, architects and designers, to listed companies and professional firms. In the value chain, we look to foster sustainability values through active communication and our services.

### 客戶

我們的客戶類型十分多元化,當中包括政府部門、物 業發展商、建築師和設計師、上市公司以及專業公司。 在價值鏈中,我們希望通過積極的溝通和我們的服務 以推動可持續發展價值。





### Active Communication

In addition to day-to-day engagement, we strive to ensure a high degree of transparency in communicating with our stakeholders through our corporate website and social media platforms. Our clients can easily grasp our latest feeds and get a better understanding of our values. Additionally, these platforms serve as the communication channels to collect clients' feedbacks and enquiries for our continual improvement.

### 積極溝通

除了日常的交流外,我們亦通過公司網站和社交媒體 平台,確保與持份者進行高度透明的溝通。我們的客 戶可以輕鬆掌握我們的最新資訊,並可以更了解我們 的價值觀。這些平台亦作為溝通渠道,為我們持續收 集客戶的反饋和詢問以作改進。



### **Quality Assurance**

We are dedicated to providing quality service and products for our clients as their satisfaction is our motivation to continue success. We comply with the ISO 9001:2015 standards as assurance to our sound quality management framework and quality manual. From project planning, design and management, to documentation and review, we follow this framework and manual to conduct business and provide reliable service in an effective and efficient manner.

### **Data Protection**

We attach great importance to the privacy of every stakeholder. As stated in confidentiality rules, we require employees to comply with applicable legal requirements regarding collection and handling of confidential and personal data. All outgoing documents are also reviewed to ensure no confidential information is leaked.

### **Intellectual Property Rights**

Respecting intellectual property rights, we formulate relevant policies and guidelines in accordance with the local laws and regulations for employees to protect proprietary technology and confidential information.

### 質素保證

讓客戶稱心滿意是我們邁向成功的動力,故此我們致力 為他們提供優質的服務和產品。我們遵守 ISO 9001: 2015 標準,以保證我們優良的管理框架和質量手冊。 從項目計劃、設計及管理以至存檔和評審,我們均遵 循框架和手冊,從而以最具效率及效益的方案進行公 務並提供可靠的服務。

#### 數據保護

我們非常重視每位持份者的私隱。正如保密規則所述, 我們要求員工遵守有關收集及處理機密和個人數據的 適用法律要求。所有發文均會被審核,以確保機密信 息不被外泄。

### 知識產權

我們尊重知識產權,並根據本地法律法規制定相關政 策和指導方針,讓員工保護專有技術和機密資料。

## CULTIVATING OUR COMMUNITY 培養我們的社區

### **Creating Shared Values**

In addition to growing sustainability throughout our value chain, AEC is dedicated to creating values for stakeholders and to raise the public awareness of sustainability. We have hosted and participated in over 20 different seminars and talks for students and industry partners during the Year. Moreover, we have sponsored and supported over 10 industry events including forums, symposiums and conferences, with a view to facilitating the exchange of insights into various sustainability-related topics among local and international industry practitioners.

### **Career Talks**

As students are the pillars of the improvement of society, AEC is placing continuous effort to nurture potential environmental specialists. AEC has delivered career talks to students in order to share our experience and insight of the industry. On top of career sharing, we have also presented several guest lectures on technical topics such as local and international green building rating tools.

### Industry Engagement

Our communication and cooperation among the industry partners is essential to sustainable development. Therefore, AEC has hosted and participated in a broad spectrum of industry events such as cocktail receptions, seminars, discussion forums and trainings to address the challenges and opportunities ahead.

### 創造共同價值

除了在整個價值鏈中實現可持續發展外,沛然還致力 為持份者創造價值並提高公眾對可持續發展的意識。 我們於本年度舉辦並參與超過 20 場研討會及講座,與 學生及業界人士交流。此外,我們贊助並支持 10 多個 行業活動,包括論壇、座談會和會議,以促進本地和 國際業內人士就各種可持續發展相關主題互相交流。

### 就業講座

學生是推進社會進步的支柱,沛然不斷努力培養潛在 的環境專才。沛然為學生們提供就業講座,以分享我 們對行業的經驗和見解。除就業分享外,我們亦提供 多個與技術主題相關的嘉賓講座,主題包括本地和國 際綠色建築評級工具。

### 行業參與

我們與行業合作夥伴之間的溝通和合作對可持續發展 至關重要。因此,沛然主辦以及參與多項行業活動, 如雞尾酒會、研討會、論壇和培訓,以應對未來的挑 戰和機遇。

THE HOUSE SACHE BUTTINE OF SURVEYORS 测量体算

Talk for The Hong Kong Institute of Surveyors 香港測量師學會講座



Guest Speaker for China Real Estate Chamber of Commerce Hong Kong and International Chapter Gurus' Breakfast Chitchat

全國工商聯房地產商會香港及國際分會早餐聚會




BREEAM Seminar Event BREEAM 研討會活動



Technical visit to ICC ICC 技術參觀



Guest Speaker of the Rotary Club of Peninsula 半島旭日扶輪社嘉賓講座

### Steering Corporate Sustainability: ESG Seminar Series

To enhance ESG awareness and sustainability integration of different corporates and organizations across Hong Kong, we have co-organized a series of ESG seminars with BMI Professional Training Center from April to June 2018. During the seminars, we conveyed the importance and implementation of sustainable development. An interactive and in-depth discussion session was held during the seminars to exchange ideas among the participants and speakers.

### 指導企業可持續發展:ESG 研討會系列

為提升全港不同企業和機構的 ESG 意識和可持續發展 融合,我們於二零一八年四月至六月與邦盟滙駿專業 培訓中心合辦一系列的 ESG 研討會。我們在研討會期 間傳達推行可持續發展的重要性和實施,並進行互動 和深入討論,以便參加者與講師交流意見。







#### **Community Support**

Adhering to the sustainability vision, AEC is committed to shaping a green future for the continuity of the greater good. As a way to contribute to community development, we have been involved in 8 community events and projects through various kinds of support including participation and sponsorship. We have also encouraged our staff to join us in supporting various community events in hopes of strengthening team spirit while doing something good for the community.

#### 社區支持

沛然堅守可持續發展願景,致力締造綠色未來,以期 延續美好世界。為促進社區發展,我們透過各種參與 和贊助,為8項社區活動和項目出一分力。我們亦鼓 勵員工共同支持各種社區活動,希望在為社區貢獻的 同時加強團隊精神。



Biz-Green Dress Day 「輕 · 型」上班日



Hong Kong Green Day 2018 香港綠色日 2018



Daylight Hour 2018



Lai See Packet Recycle and Reuse Program 利是封回收大行動



A Day with Food Angel 惜食堂義工活動



AEC is keen to participate in various advisory groups, expert panels and standing committees of local and international green organizations, where we share our expertise as a veteran green building and sustainability consultant. Through our participation, we are joining hands with the industry in promoting sustainable development, raising the bar of sustainability standards and practices, while contributing to a low-carbon city. For instance, we have participated in BEAM Expert Panel, Hong Kong Green Building Council ("HKGBC") Green Building Faculty and USGBC Faculty, where we have contributed to the development of various local and international green building rating tools and initiatives.

To spread the green message to the business community and general public, we have served on HKGBC's Communications & Membership Committee and Green Labelling Committee as well as BEC Climate Change Business Forum Advisory Group and ESG Advisory Group, where we have advocated for a greener business operation and more sustainable lifestyle through awareness building activities and campaigns. 沛然熱衷於參與本地和國際綠色組織的諮詢小組、專 家小組和常設委員會,從中分享我們作為經驗豐富的 綠色建築和可持續發展顧問的專業知識。通過自身的 參與,我們與同業攜手促進可持續發展、提升可持續 發展標準和作業水平,同時亦為低碳城市作出貢獻。 例如,我們已加入建築環保評估專家小組、綠色建築 專家及 USGBC Faculty,從中促進各項本地及國際的 綠色建築評級工具和舉措之發展。

為向商界和公眾宣揚環保訊息,我們活躍於香港綠色 建築議會的傳訊及會員事務委員會和綠建標籤委員會, 以及商界環保協會的氣候變化商業論壇顧問小組和環 境、社會及管治顧問小組,並從中透過環保意識建立 活動及運動,倡導更環保的業務運作和更可持續性的 生活方式。



# LOOKING FORWARD 展望將來

The state

<u>"</u>

AT THE OWNER

As a sustainability and environmental consulting firm, we will continue to do our part in shaping a more sustainable and environmentally friendly society. With this mission in mind, we will continue to realize our commitment to SDGs introduced by the UN and stretch our sustainability footprint through bringing sustainable values for the business world and the wider community, in order to enhance the quality of life for urban citizens and to create a more pleasant living environment. 我們將繼續發揮作為可持續發展及環境顧問公司的專 長,為締造更可持續發展及更環保的社會出一分力。 我們將肩負使命,繼續為商界及社區創造可持續發展 價值,實現我們對聯合國提出的可持續發展目標的承 諾,並擴闊可持續發展足跡,以期為市民建設更宜居 的生活環境,並提升他們的生活水平。

IL ,

BAUTITUUTA TUUTUUTA



# MEMBERSHIPS AND CHARTERS 會籍和憲章

Membe	rships 會籍
BRE ACADEMY <sup>®</sup> BREEAM MEMBER BRE Academy 英國建築研究院學會	BUSINESS ENVIRONMENT COUNCIL 商界環保協會 CORPORATE MEMBER 2019 Business Environment Council 商界環保協會
China Green Building (Hong Kong) Council 中國綠色建築與節能(香港)委員會	
International Cinemo Technology Association Member International Cinema Technology Association 國際電影技術協會	CHKLC The Chamber of Hong Kong Listed Companies 香港上市公司商會
Hing Kong General Chamber of Commerce 音准線商會1861 The Hong Kong General Chamber of Commerce 香港總商會	U.S. Green Building Council 美國綠色建築議會
	全國工商聯房地產商會 香港及國際分會有限公司 China Real Estate Chamber of Commerce Hong Kong and International Chapter Limited China Real Estate Chamber of Commerce Hong Kong and International Chapter China Real Estate Chamber of Commerce Hong Kong and International Chapter 全國工商聯房地產商會香港及國際分會





# AWARDS AND RECOGNITIONS OF THE YEAR 本年度獎項與榮譽

ALLIED SUSTAINABILITY AND ENVIRONMENTAL CONSULTANTS GROUP LIMITED 沛然環保顧問有限公司





Hong Kong Green Orga 香港綠色機構認證 – 減廢	nisation Certification – Wastewi\$e	Hong Kong Green Orgar 香港綠色機構認證 – 節能	nisation Certification – Energywi\$e
<mark>減廢證書</mark> Wastewi\$e Certificate-	Awarding Organizer 頒發機構 Environmental Campaign Committee 環境運動委員會 Name of Award 獎項名稱 Wastewi\$e - Certificate - Basic Level 減廢證書 - 「基礎級別」	<b>節能證書</b> Energywi\$e Certificate	Awarding Organizer 頒發機構 Environmental Campaign Committee 環境運動委員會 Name of Award 獎項名稱 Energywi\$e - Certificate - Basic Level 節能證書 - 「基礎級別」
017/18 Family-Friendly 2017/18 年度家庭友善偏	r Employers Award Scheme 雇主獎勵計劃	BEAM Plus Certification 2018 年度線建環評頒獎	Ceremony 2018 典禮
	Awarding Organizer 頒發機構 Home Affairs Bureau and Family Council 民政事務局和家庭議會 Name of Award 獎項名稱 2017/18 Family-Friendly Employers & 2017/18 Family-Friendly Employers Special Mention 2017/18 年度家庭友善僱主及 2017/18 年度特別嘉許獎	HKGBC BE@M Plus 級建環評	Awarding Organizer 頒發機構 Hong Kong Green Building Council and BEAM Society Limited 香港綠色建築議會和建築環保評估協會 Name of Award 獎項名稱 Eight award-winning projects, in which AEC was involved as a BEAM Pro and sustainability consultant 沛然以綠建專才及可持續發展顧問的身份餐 與其中八個獲獎項目
long Kong Green Awar 昏港綠色企業大獎	ds	HKGBC Towards Low Carbon 8 香港綠色建築議會 - 共建	& Healthy City Award Presentation Ceremony 2綠色健康城市頒獎典禮
香港線色企業大概 Hong Kong Green Awards	Awarding Organizer 頒發機構 Green Council 環保促進會 Name of Award 獎項名稱 Green Management Award - Service Provider (SME) – Bronze Sustained Performance (3 years+) 優越環保管理獎(中小企) – 服務提供者銅獎 連續獲獎機構(3年或以上)	<b>化成日本</b> <b>化成日本</b> 電港線色建築講會	Awarding Organizer 頒發機構 Hong Kong Green Building Council 香港綠色建築議會 Name of Award 獎項名稱 Health and Wellbeing Study in Offices - Appreciation Award 「辦公室環境對身心健康發展影響」研究 嘉許狀
3DO ESG Awards 3DO 環境、社會及管治:	大獎	Caring Company 商界展關懷	
	Awarding Organizer 頒發機構 BDO 香港立信德豪會計師事務所 Name of Award 獎項名稱 Awards: Best in ESG - GEM Best in Reporting - GEM Certificate of Merit (Finalist):	商界展開懷 Caring Company Awadotiv he have the focus of kide the Set all the the set	Awarding Organizer 頒發機構 Hong Kong Council of Social Service 香港社會服務聯會 Name of Award 獎項名稱 Caring Company Logo 「商界展關懷」標誌
BDO ESG AWARDS 環境、社會及管治大獎 2019	ESG Report of the Year (Newly Listed Companies) 獎項: ESG 最佳表現大獎 - GEM 最佳 ESG 報告大獎 - GEM 優異獎(入圍公司): ESG 年度公司大獎(新上市公司)	Industry Cares 工業獻愛心	Awarding Organizer 頒發機構
			Federation of Hong Kong Industries 香港工業總會 Name of Award 獎項名稱

Name of Award 獎項名稱 Caring Certificate (Enterprise Group) 愛心關懷獎 — 企業組別



# ESG REPORTING GUIDE INDEX ESG 報告指引索引

Aspect 層面	KPI 關鍵績效指標	Description 描述	Statement/Section 部分	Page No. 頁數
A ENV	IRONMENTAL 環境			
A1: EN	MISSIONS 排放物			
A1	General Disclosure 一般披露	Information on: (a) the policies; and (b) compliances with relevant laws and regulations that have a significant impact on the issuer, relating to air and greenhouse gas emissions, discharges into water and land, and generation of hazardous and non-hazardous waste. 有關廢氣及溫室氣體排放、向水及土地的排污、 有害及無害廢棄物的產生等的: (a) 政策;及 (b) 遵守對發行人有重大影響的相關法律及規例的 資料。	Sustainability Policy 可持續發展政策 Green Office 綠色辦公室 During the Year, AEC was not aware of any material non-compliance with relevant laws and regulations that had a significant impact on the Group. 於本年度內,沛然並無發現任何重大違反對本集 團有重大影響的相關法律及規例之事宜。	14-17
	A1.1	The types of emissions and respective emissions data. 排放物種類及相關排放數據。	Green Office 線色辦公室 AEC's office operations and company vehicles did not contribute to a significant amount of Scope 3 GHG emission and air emissions (i.e. sulphur oxides, nitrogen oxides and particulate matter); therefore, the relevant figures were not disclosed. 沛然的辦公室營運和公司車輛對範圍 3 的溫室氣 體排放和廢氣排放(即硫氧化物、氮氧化物和懸 浮顆粒)並不重大;因此,相關數字未有披露。	16
	A1.2	Greenhouse gas emissions in total (in tonnes) and, where appropriate, intensity (e.g. per unit of production volume, per facility). 溫室氣體總排放量(以噸計)及(如適用)密度(如 以每產量單位、每項設施計算)。	Green Office 綠色辦公室	16
	A1.3	Total hazardous waste produced (in tonnes) and, where appropriate, intensity (e.g. per unit of production volume, per facility). 所產生有害廢棄物總量(以噸計算)及(如適用) 密度(如以每產量單位、每項設施計算)。	AEC did not generate significant hazardous waste, and thus the relevant data were not disclosed. 沛然並無產生重大的有害廢棄物,因此相關數據 未有披露。	N/A 不適用
	A1.4	Total non-hazardous waste produced (in tonnes) and, where appropriate, intensity (e.g. per unit of production volume, per facility). 所產生有害廢棄物總量(以噸計算)及(如適用) 密度(如以每產量單位、每項設施計算)。	Green Office 綠色辦公室	16
	A1.5	Description of measures to mitigate emissions and results achieved. 描述减低排放量的措施及所得成果。	Green Office 綠色辦公室	15-17
	A1.6	Description of how hazardous and non- hazardous wastes are handled, reduction initiatives and results achieved. 描述處理有害及無害廢棄物的方法、減低產生量 的措施及所得成果。	AEC is currently developing tailored targets and KPIs to further support the UN's SDGs and to improve its environmental performance. 沛然目前亦正制定目標和關鍵績效指標,以進一 步支持聯合國的可持續發展目標並改善其環境績 效。	



Aspect 層面	KPI 關鍵績效指標	Description 描述	Statement/Section 部分	Page No. 頁數		
A2: U5	A2: USE OF RESOURCES 資源使用					
	General Disclosure 一般披露	Policies on the efficient use of resources, including energy, water and other raw materials. 有效使用資源(包括能源丶水及其他原材料)的 政策 ∘	AEC has sustainability policies and green office policies in place to manage the Group's environmental footprints. 沛然已制定可持續發展政策和綠色辦公政策,以 管理本集團的環境足跡。	N/A 不適用		
	A2.1	Direct and/or indirect energy consumption by type (e.g. electricity, gas or oil) in total (kWh in '000s) and intensity (e.g. per unit of production volume, per facility). 按類型劃分的直接及/或間接能源如 電、氣或 油)總耗量(以干個干瓦時計算)及密度(如以 每產量單位、每項設施計算)。	Green Office 綠色辦公室	16		
	A2.2	Water consumption in total and intensity (e.g. per unit of production volume, per facility). 總耗水量及密度(如以每產量單位、每項設施計 算)。	AEC's water is supplied and managed by the building management. Thus, the relevant data were not disclosed. 沛然的用水由大廈管理層供應及管理。因此,相 關數據未有披露。	N/A 不適用		
A2	A2.3	Description of energy use efficiency initiatives and results achieved. 描述能源使用效益計劃及所得成果。	In the Year, AEC's energy consumption and intensity have increased. Through pushing forward energy-saving initiatives and targets and enhancing internal awareness, AEC expects to see improvements in the future. 於本年度, 沛然的能源消耗和密度略有增加。 通 過推進節能措施和目標以及提高內部意識, 沛然 預計未來會有所改善。	16		
	A2.4	Description of whether there is any issue in sourcing water that is fit for purpose, water efficiency initiatives and results achieved. 描述求取適用水源上可有任何問題,以及提升用 水效益計劃及所得成果。	AEC had no significant issue in sourcing water from municipal suppliers. 沛然在從市政供應商採購水方面沒有重大問題。	N/A 不適用		
	A2.5	Total packaging material used for finished products (in tonnes) and, if applicable, with reference to per unit produced. 製成品所用包裝材料的總量(以噸計算)及(如 適用)每生產單位佔量。	AEC did not have any direct consumption of packaging material and thus, the relevant data were not disclosed. 沛然並無直接使用任何包裝材料,因此相關的數 據未有披露。	N/A 不適用		
A3: T⊦	A3: THE ENVIRONMENT AND NATURAL RESOURCES 環境及天然資源					
A3	General Disclosure 一般披露	Policies on minimising the issuer's significant impact on the environment and natural resources. 減低發行人對環境及天然資源造成重大影響的政 策。	Due to the AEC's business nature, the Group did not have any significant environmental impacts. However, AEC is proactive to promote environmental stewardship throughout the value chain. 根據沛然的業務性質,本集團並無任何對環境的 重大影響。然而,沛然仍積極在整個價值鏈中推 動的環境保護。	N/A 不適用		
	A3.1	Description of the significant impacts of activities on the environment and natural resources and the actions taken to manage them. 描述業務活動對環境及天然資源的重大影響及已 採取管理有關影響的行動。		N/A 不適用		



Aspect		Description	Statement/Section	Page No.		
	關鍵績效指標	描述	部分	頁數		
	B SOCIAL 社會					
B1: EN	B1: EMPLOYMENT 僱傭					
В1	General Disclosure 一般披露	Information on: (a) the policies; and (b) compliances with relevant laws and regulations that have a significant impact on the issuer, relating to compensation and dismissal, recruitment and promotion, working hours, rest periods, equal opportunity, diversity, anti- discrimination, and other benefits and welfares. 有關薪酬及解僱、招聘及晉升、工作時數、假期、 平等機會、多元化、反歧視以及其他待遇及福利 的: (a) 政策;及 (b) 遵守對發行人有重大影響的相關法律及規例的 資料。	Employees 員工 During the Year, AEC was not aware of any material non-compliance with relevant laws and regulations that had a significant impact on the Group. 於本年度內,沛然並無發現任何重大違反對本集 團有重大影響的相關法律及規例之事宜。	29-30		
	B1.1	Total workforce by gender, employment type, age group and geographical region. 按性別、僱傭類型、年齡組別及地區劃分的僱員 總數。	Employees 員工	30		
	B1.2	Employee turnover rate by gender, age group and geographical region. 按性別、年齡組別及地區劃分的僱員流失比率。	Employee turnover rate was not disclosed. 員工的流失比率未有披露。	N/A 不適用		
B2: HE	ALTH AND SAFETY	建康與安全				
	General Disclosure 一般披露	Information on: (a) the policies; and (b) compliance with relevant laws and regulations that have a significant impact on the issuer, relating to providing a safe working environment and protecting employees from occupational hazards. 有關提供安全工作環境及保障僱員避免職業性危 害的: (a) 政策;及 (b) 遵守對發行人有重大影響的相關法律及規例的 資料。	During the Year, AEC was not aware of any material non-compliance with relevant laws and regulations that had a significant impact on the Group. 於本年度內,沛然並無發現任何重大違反對本集 團有重大影響的相關法律及規例之事宜。	31		
	B2.1	Number and rate of work-related fatalities. 因工作關係而死亡的人數及比率。	Performance Table 績效表	N/A 不適用		
B2			During the Year, there was no work-related fatalities. 於本年度內,並沒有因工作意外而導致死亡的事 故。			
	B2.2	Lost days due to work injury. 因工傷損失工作日數。	Performance Table 績效表 During the Year, there was no occupational injuries. 於本年度內,並沒有工傷事故。	N/A 不適用		
	B2.3	Description of occupational health and safety measures adopted, how they are implemented and monitored. 描述所採納的職業健康與安全措施,以及相關執 行及監察方法。	Employees 員工	31		



Aspect 層面	KPI 關鍵績效指標	Description 描述	Statement/Section 部分	Page No. 頁數		
B3: DE	B3: DEVELOPMENT AND TRAINING 發展及培訓					
В3	General Disclosure 一般披露	Policies on improving employees' knowledge and skills for discharging duties at work. 有關提升僱員履行工作職責的知識及技能的政策。	Employees 員工	30		
	B3.1	The percentage of employees trained by gender and employee category (e.g. senior management, middle management). 按性別及僱員類別(如高級管理層、中級管理層 等)劃分的受訓僱員百分比。	Employee training percentage and average training hours were not disclosed. 受訓員工百份比及平均時數未有披露。	N/A 不適用		
	B3.2	The average training hours completed per employee by gender and employee category. 按性別及僱員類別劃分,每名僱員完成受訓的平 均時數。	During the Year, AEC's employees had received an average of 1.8 hours of training. 於本年度內,沛然的員工平均受訓 1.8 小時。	N/A 不適用		
B4: LA	BOUR STANDARDS	勞工準則				
	General Disclosure 一般披露	Information on: (a) the policies; and (b) compliances with relevant laws and regulations that have a significant impact on the issuer, relating to preventing child and forced labour. 有關防止童工或強制勞工的: (a) 政策;及 (b) 遵守對發行人有重大影響的相關法律及規例的 資料。	Employees 員工 During the Year, AEC was not aware of any material non-compliance with relevant laws and regulations that had a significant impact on the Group. 於本年度內,沛然並無發現任何重大違反對本集 團有重大影響的相關法律及規例之事宜。	29		
B4	B4.1	Description of measures to review employment practices to avoid child and forced labour. 描述檢討招聘慣例的措施以避免童工及強制勞工。	Employees 員工	29		
	B4.2	Description of steps taken to eliminate such practices when discovered. 描述在發現違規情況時消除有關情況所採取的步 驟。	Through verifying the age and working permits of all candidates, there was no any child labour, forced labour or any other relevant violation noticed in the Group's operation. However, AEC will terminate the violation immediately when discovered. 通過核實所有應徵者的年齡和工作許可證,本集 團的業務中沒有發現任何童工、強制勞工或任何 其他相關違規行為。然而,沛然會在發現時立即 終止該違規行為。	N/A 不適用		
B5: SU	B5: SUPPLY CHAIN MANAGEMENT 供應鏈管理					
В5	General Disclosure 一般披露	Policies on managing environmental and social risks of the supply chain. 管理供應鏈的環境及社會風險政策。	Suppliers and Subcontractors 供應商和承包商	33		
	B5.1	Number of suppliers by geographical region. 按地區劃分的供應商數目。	Number of suppliers by geographical region was not disclosed. 按地區劃分的供應商數目未有披露。	N/A 不適用		
В5	B5.2	Description of practices relating to engaging suppliers, number of suppliers where the practices are being implemented, how they are implemented and monitored. 描述有關聘用供應商的慣例,向其執行有關慣例 的供應商數目、以及有關慣例的執行及監察方法。	Suppliers and Subcontractors 供應商和承包商	33		



Aspect	KPI	Description	Statement/Section	Page No.			
層面	關鍵績效指標	描述	部分	頁數			
B6: PR	B6: PRODUCT RESPONSIBILITY 產品責任						
	General Disclosure 一般披露	Information on: (a) the policies; and (b) compliances with relevant laws and regulations that have a significant impact on the issuer, relating to health and safety, advertising, labelling and privacy matters relating to products and services provided and methods of redress. 有關所提供產品和服務的健康與安全、廣告、標 籤及私隱事宜以及補救方法的: (a) 政策;及 (b) 遵守對發行人有重大影響的相關法律及規例的 資料。	Clients 客戶 During the Year, AEC was not aware of any material non-compliance with relevant laws and regulations that had a significant impact on the Group. 於本年度內,沛然並無發現任何重大違反對本集 團有重大影響的相關法律及規例之事宜。	34-35			
B6	B6.1	Percentage of total products sold or shipped subject to recalls for safety and health reasons. 已售或已運送產品總數中因安全與健康理由而須 回收的百分比。	AEC did not have any direct products sold or shipped and thus, the relevant data were not disclosed. 沛然並無直接出售或運送任何產品,因此相關的 數據未有披露。	N/A 不適用			
	B6.2	Number of products and service related complaints received and how they are dealt with. 接獲關於產品及服務的投訴數目以及應對方法。	During the Year, AEC was not aware of any material complaints. 於本年度內,沛然並無發現任何重大的投訴。	N/A 不適用			
	B6.3	Description of practices relating to observing and protecting intellectual property rights. 描述與維護及保障知識產權有關的慣例。	Clients 客戶	35			
	B6.4	Description of quality assurance process and recall procedures. 描述質量檢定過程及產品回收程序。	Clients 客戶	35			
	B6.5	Description of consumer data protection and privacy policies, how they are implemented and monitored. 描述消費者資料保障及私隱政策,以及相關執行 及監察方法。	Clients 客戶	35			
B7: AN	NTI-CORRUPTION 反	貪污					
Β7	General Disclosure 一般披露	Information on: (a) the policies; and (b) compliances with relevant laws and regulations that have a significant impact on the issuer, relating to bribery, extortion, fraud and money laundering. 有關防止賄賂、勒索、欺詐及洗黑錢的: (a) 政策;及 (b) 遵守對發行人有重大影響的相關法律及規例的 資料。	Corporate Governance 企業管治 During the Year, AEC was not aware of any material non-compliance with relevant laws and regulations that had a significant impact on the Group. 於本年度內,沛然並無發現任何重大違反對本集 團有重大影響的相關法律及規例之事宜。	14			
	B7.1	Number of concluded legal cases regarding corrupt practices brought against the issuer or its employees during the reporting period and the outcomes of the cases. 於報告期內對發行人或其僱員提出並已審結的貪 污訴訟案件的數目及訴訟結果。	Corporate Governance 企業管治	14			
	B7.2	Description of preventive measures and whistle- blowing procedures, how they are implemented and monitored. 描述防範措施及舉報程序,以及相關執行及監察 方法。	Corporate Governance 企業管治	14			

方法。



Aspect 層面	KPI 關鍵績效指標	Description 描述	Statement/Section 部分	Page No. 頁數
B8: CC	OMMUNITY INVESTM	ENT 社區投資		
	General Disclosure 一般披露	Policies on community engagement to understand the needs of the communities where the issuer operates and to ensure its activities take into consideration the communities' interests. 有關以社區參與來了解發行人營運所在社區需要 和確保其業務活動會考慮社區利益的政策。	Cultivating our Community 培養我們的社區	36-38
B8	B8.1	Focus areas of contribution (e.g. education, environmental concerns, labour needs, health, culture, sport). 專注貢獻範疇(如教育、環境事宜、勞工需求、 健康、文化、體育)。	Cultivating our Community 培養我們的社區	36-38
	B8.2	Resources contributed (e.g. money or time) to the focus area. 在專注範疇所動用資源(如金錢或時間)。	During the Year, AEC had contributed a total of HKD\$23,630 as charitable donations and 44 volunteering hours. 於本年度內,沛然共捐贈港幣 23,630 元的慈善 捐款和貢獻 44 小時的義工服務時間。	N/A 不適用



(Incorporated in the Cayman Islands with limited liability) Stock Code: 8320

19/F, Kwan Chart Tower, 6 Tonnochy Road, Wan Chai, Hong Kong Tel: (852) 2815 7028 Email: info@aechk.com

## www.asecg.com