

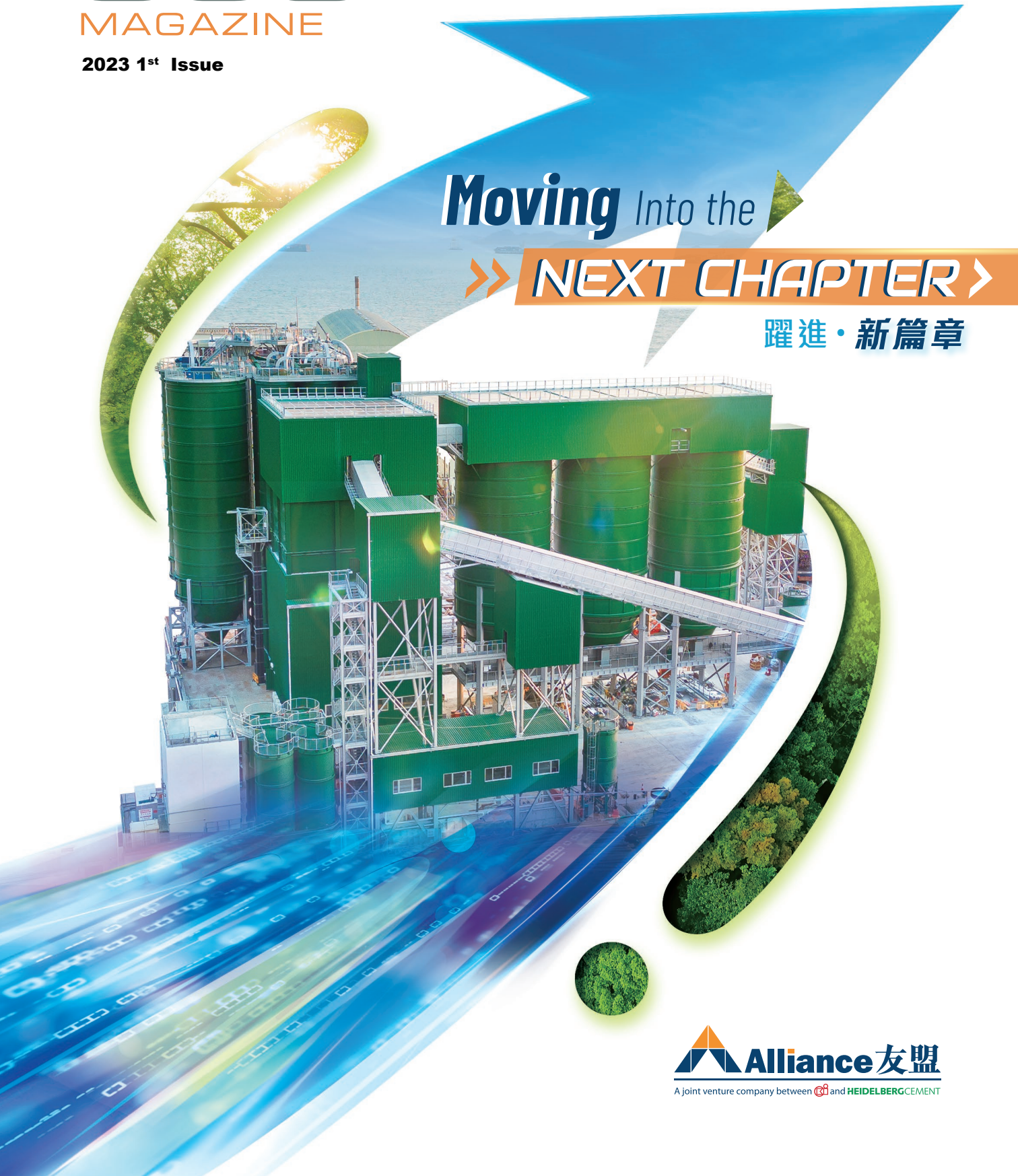
Alliance 360 MAGAZINE

2023 1st Issue

Moving Into the

» **NEXT CHAPTER** »

躍進 · 新篇章



Alliance's NEXT CHAPTER >>

Seizing New Opportunities
with A Growth Mindset

友盟的新篇章

以成長型思維把握新機遇

VINCENT YU Chief Executive Officer
余振偉 行政總裁

As the new year started with some encouraging news of border reopening and relaxing of anti-pandemic measures, everyone is excited to plan and set goals for 2023. For Alliance, we are moving into a new chapter of our business with a growth mindset.

Capture Future New Opportunities

The year 2022 marked a transformational milestone for our production infrastructure as we successfully expanded our Tsing Yi Concrete Production Hub by opening of Sai Tso Wan 2 (STW2) plant. The green, digitalized and low-carbon features of the plant have set a new standard for the industry. The production hub further strengthens our competitive edge to capture opportunities arising from Hong Kong's coming major development, such as the Northern Metropolis, Kau Yi Chau Artificial Islands and other major roads and strategic railway projects.

Leading the Innovation

We actively deploy digital technologies to improve the efficiency of our operations. We have implemented AI video analytics to develop a smart control system to ensure the integrity and accuracy of our outbound concrete logistics. The AI video analytics is also able to detect PPE of workers which will help to enhance our workplace safety and HSE performance. We build our success on our customers' success, we have rolled out our e-docket mobile app to our customers. This powerful and customer-centric app will provide a seamless experience for our customers with foolproof and touchless goods receipt. The e-docket app will entail greater transparency and efficiency in our customer interaction. Our customers will have the real-time information of concrete deliveries at the tips of their fingers.

ESG is not a Sacrifice

ESG management is not a nice-to-have, it is a must-have for a socially responsible company. We believe ESG is essential to our sustainable development and will add great value to us and our customers. We strive to integrate green elements in all levels of our business. We have committed to Science Based Targets, implementation of renewable solar energy and development of green concrete product solutions.

Other than climate actions, we have also organized different CSR activities in the past year to improve our stakeholder engagement. Through "Alliance Run for Hope 2022 - Challenge 3000KM", our second virtual charity run event, we fulfil corporate social responsibility and promote a healthy lifestyle.

Prepare for the Future

I am determined to take proactive and concrete actions to prepare our business and Alliance team for the future. We experienced a lot of opportunities and excitements in the past year. Our achievements could not have happened without the great effort of our people and support of our shareholders.

As we just celebrated the start of the Chinese New Year, I wish you all happy and vibrant like the rabbit, and may your new year be full of joy and prosperity.

新 一年開始，我們迎來了一系列令人鼓舞的消息，包括邊境重開和放寬防疫措施等。大家都滿懷興奮，為2023年制定計劃和目標。而友盟則以全新的成長型思維進入業務的新篇章。

捕捉未來新機遇

2022年，我們的生產基礎設施立下了一個變革性里程碑，通過建設西草灣II廠房，我們成功擴充了青衣混凝土生產中心。新廠的環保、數碼化及低碳特性成為了行業新典範。生產中心進一步加強了我們的競爭優勢，有利我們把握香港未來重大發展帶來的機遇，例如北部都會區、交椅洲人工島和其他主要道路和策略性鐵路項目。

引領創新

我們積極部署以數碼化技術提高營運效率。通過人工智能視頻分析來開發智能控制系統，以確保混凝土出貨物流資訊的完整性和準確性。人工智能視頻分析還可以偵測員工的防護裝備，這將有助於提高工作場所的安全及公司的整體健康安全環境績效。我們一直強調，友盟的成功乃建基於客戶的成功。所以，我們已推出了客戶收貨流動應用程式。這款以客戶為中心的強大應用程式將為客戶提供精準的免接觸收貨體驗。該應用程式將顯著提高我們與客戶互動的透明度和效率。客戶只需動一動指尖，便可獲取混凝土交付的實時信息。

環境、社會和管治並不是犧牲

我們相信環境、社會和管治(ESG)不是可有可無，它對所有具社會責任感的企業來說是必須的。ESG對我們的可持續發展至關重要，並將為我們和我們的客戶帶來重大價值。一方面我們努力將環保元素融入業務的各個層面，另一方面我們致力定立「科學基礎目標」，採用可再生太陽能和開發綠色混凝土產品方案。

除了氣候行動，我們在過去一年也舉辦了不同的企業社會責任活動，以強化持分者參與。例如通過舉辦第二屆虛擬慈善跑活動「友盟挑戰3,000公里 跑•出希望」，我們履行了企業社會責任，倡導健康的生活方式。

為未來做好準備

透過採取積極和具體的行動，我決心引領友盟團隊及公司的業務為未來做好準備。在過去一年，我們經歷了許多的機遇和振奮人心的時刻。我們的成就全賴員工的努力和股東的支持。

農曆新年伊始，祝大家像兔子一樣快樂活躍，新的一年充滿歡欣和繁榮。

The Grand Opening of STW2 Plant

西草灣II廠 盛大開幕

Alliance's STW2 plant was officially inaugurated after an innovative opening ceremony on 10 November 2022 morning, welcoming more than 200 customers, business partners, suppliers and friends of Alliance. Highlights of the event included an exciting STW2 Plant drone trip video, interactive concrete production kick off ceremony, ribbon breaking by trucks and plant tours.

友盟 的西草灣II廠正式落成，並在2022年11月10日上午舉行了創新的開幕儀式。200多名客戶、業務合作夥伴、供應商和各方友好一同參加了盛大開幕活動。活動亮點包括新廠房航拍穿越短片、互動式混凝土生產啟動儀式、別開生面的混凝土車衝彩帶和廠房導賞團等。



Special ribbon breaking ceremony by trucks
混凝土車衝彩帶儀式

Guests waving to the drone at the end of the STW2 drone trip video
眾嘉賓在新廠房航拍穿越短片結束時向航拍機揮手致意

In his address to the guests during the opening ceremony, Mr. Vincent Yu, CEO of Alliance said: 友盟行政總裁余振偉先生於開幕典禮致辭時說：

I would like to thank and congratulate each and everyone in Alliance who have worked so hard to make this happen. Great job and well done! I am so proud of Alliance teams!

This new chapter of our Tsing Yi Production Hub is much more than a production facility, it demonstrates our ambition to develop green and digitalized solutions for our production and logistics systems."

我衷心感謝及祝賀友盟每一位為完成項目目標付出的努力，我為你們感到驕傲！

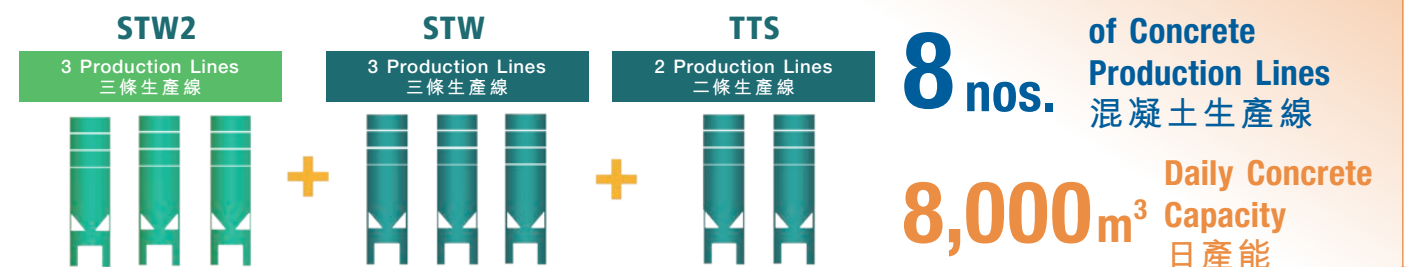
擴充後的青衣生產中心不僅僅是一個大型生產基地，它展示了我們為生產和物流系統開發環保和數碼化解決方案的決心。



A Powerful Regional Concrete Production Hub 混凝土生產中心

This mega plant will synergize with Alliance's two existing concrete plants in Tsing Yi, namely the Sai Tso Wan Plant and Tsing Tim Street Plant, forming a strong and highly efficient concrete supply chain. The Hub is ideally situated at the heart of Hong Kong, its prime location offers easy access to all other districts in Hong Kong.

這座大型廠房將聯同公司在青衣的兩座現有混凝土廠，包括西草灣廠及清甜街廠，一起產生協同效應，形成強大而高效的混凝土供應鏈。這個生產中心座落於香港的中心地帶，其優越的地理位置可輕鬆直達香港所有地區。



A Game Changer Concrete Plant

劃時代的混凝土廠

It's the Company's ambition to make this STW2 Plant a carbon neutral construction. This goal was finally achieved through energy saving, reduction of embodied carbon and offsetting unavoidable emissions. The green and digitalized features of STW2 make it a game changer concrete plant.

在項目初始階段，公司已旨意把碳中和建築定為西草灣II廠的目標。通過節能、減少隱含碳和抵消必要的碳排放，最終公司成功達成目標。西草灣II廠的環保和數碼化特性使其成為一座劃時代混凝土廠。

Green & Digitalized

Features of STW2

西草灣II廠的環保和數碼化特性



CASE SHARING

Accelerated Project Schedule with 5 Axle Truck Solution

以生產中心配合五軸車方案 加快客戶項目進度

Supported by the Production Hub



Sam Woo Bore Pile Foundation – Foundation for Public Housing Development at Kai Tak Site 2B3 and 2B4

三和地基 – 啓德第2B3及2B4區地盤公營房屋發展項目

Focusing on the requirement of mega tremie concrete placement, we introduced the 5-axle mixer truck solution supported by our Tsing Yi Concrete Production Hub to the customer.

Comparing to the 4-axle mixer trucks with 8m³ concrete capacity, delivery by the 5-axle mixer trucks with 10m³ concrete capacity can speed up the overall concreting progress by 25%. And all the plants in our Tsing Yi Concrete Production Hub can operate on a full scale to support the site. With this significant enhancement in efficiency, the customer has decided to take this proposal and prepared for the 5-axle mixer truck unloading at site.

Both our Sales team and Customer Services team have closely coordinated with the customer's operation team to set up the new unloading facilities, including the longer slanting bridge and larger container specially designed for the 5-axle mixer truck. These tailored facilities were built within one month and the first tremie pour was successfully completed on 1 December 2022.



針對該項目大型地基的導管混凝土澆築需求，我們向客戶提議採用新的五軸攪拌車方案，並配合青衣混凝土生產中心的产品供應。

與現有承載量為8立方米的四軸攪拌車相比，具10立方米承載量的五軸攪拌車可使整體澆築進度加快25%。而我們青衣混凝土生產中心的所有廠房都可以全面運作以支持該地基項目。因應效率的顯著提升，客戶決定採納該等方案，並開始策劃五軸攪拌車的地盤卸貨安排。

我們的銷售和客戶服務團隊與客戶的營運團隊密切地協商，建設了新的卸貨設施，特別為五軸攪拌車設計了較長的斜橋和更大的混凝土容器。這些定制的設施在一個月內完成，並於2022年12月1日成功完成第一條導管混凝土的澆築。

Leverage AI to Improve HSE Performance

以人工智能提高

健康安全環境績效

As part of our Ambition 2030, innovation is embedded in our strategic planning and actions. Besides improving our products and services, we actively explore new innovations including artificial intelligence (AI) to enhance our Health, Safety and Environment (HSE) performance. With the support of the Construction Innovation and Technology Fund (CITF) established by the Development Bureau, 3 new technologies have been applied into our operation for improving the operation of mobile equipment and heavy trucks, and mixer trucks utilization.

創新是我們《可持續發展願景2030》的主要部分，並已融入公司的策略性規劃和行動中。除了改進產品和服務，我們還積極探索包括人工智能 (AI) 在內的新科技，以提高我們的健康安全環境 (HSE) 績效。在發展局成立的「建造業創新及科技基金」的支持下，我們已將3項新技術應用到營運中，以改善移動性設備、重型卡車的營運以及混凝土車的應用。

Loader Operation Safety – Blaxtair Pedestrian/Machinery Anti-collision Camera

Our operation involves usage of loaders and bobcats on daily basis. The nature of work environment involves heavy traffic with pedestrian, mixer trucks, cement tankers, tipper trucks and service vans, etc. Some of the work areas also have narrow operational space and it is infeasible to completely isolate the areas for loader operation. In addition to this challenge, the operational safety of such mobile equipment relies heavily upon operators' constant awareness of surroundings, which makes safe operation of this type of mobile equipment very challenging to us to safeguard anyone within our sites.

Instant alarms for collision hazards

This technology allows users to set detection zone which audible alarms and flashing warning signals on driver's screen will be triggered when pedestrian or objects within the set zone is detected. This equipment is installed at all of our loaders and bobcats on site, enabling early detection of collision hazards and alert operators of pedestrians and obstacles before accident happens. With the site traffic management plan, regular training and utilization of this technology, a total loader/bobcat accident prevention is envisioned.

搬土機操作安全 – Blaxtair 行人／機械防撞攝像頭

我們的日常營運需要使用搬土機和鏟土機，工作環境中的行人、攪拌車、水泥車、裝卸車和服務性貨車等的交通非常繁忙。部分工作區域的操作空間狹窄，把特定空間劃分為搬土機的操作區域，使其與其他人員及車輛完全隔離很困難。除了這一挑戰之外，此類移動設備的操作安全很大程度上取決於操作員對周圍環境持續保持警覺。因此，設備的安全操作對保護我們的員工非常具挑戰性。

有碰撞危機時即時預警

這項新技術允許用戶設置檢測區域，並在偵測到行人或物體進入設置區域時在司機屏幕上發出聲音警報和閃爍警告信號。設備計劃會安裝在我們生產設施所有的搬土機和鏟土機，以及早發現碰撞危險，並在事故發生前提醒操作員注意行人和障礙物。通過生產設施內的交通管理計劃、定期培訓和新技術的協助下，便可全面預防搬土機和鏟土機意外。



► Blaxtair Pedestrian/Machinery Anti-collision Camera
Blaxtair 行人／機械防撞鏡頭

Mixer Trucks Cleaning Drumblaster Build Up Control Technology

混凝土車清潔

Drumblaster 鼓式爆破系統

Challenges of hardened concrete in mixer drum

With nearly 200 Alliance mixer trucks delivering pre-mixed concrete throughout Hong Kong every day, the nature of wet concrete creates a challenge of forming hardened concrete inside mixer drums and potentially result in concrete spillage on public roads, causing environmental impact and safety hazards to other road users. Arranging operators to get into the mixer drum to perform cleaning works also expose them to safety and health hazards which should be prevented. In addition, hardened concrete can also reduce the carrying capacity of mixer trucks, impeding the productivity and increase fuel intensity of our truck fleet.

Replacing manual work with automated robotics

The Drumblaster Build Up Control System is our new solution for the truck cleaning challenge. It makes use of automated robotics to frequently clean the mixer drum for minimizing concrete build up without increasing the operational safety risks of operators manually conduct the cleaning works. With tailored designed program, the highly pressurized water jet can enter into the mixer drum to perform the cleaning while operators stay inside the control station, eliminating the need to manually carrying out such works inside mixer drum.

With frequent truck cleanliness maintained and monitored, our fleet can provide more productive services while minimizing impacts to the environment and safeguarding the safety and health our operation team. The Drumblaster has been installed at our Tsing Yi Production Hub.



攪拌筒硬化混凝土的挑戰

我們每日有近200輛友盟混凝土車運送混凝土到全港，預拌混凝土的本質令攪拌筒內容易堆積硬化混凝土。攪拌筒內堆積混凝土有可能導致混凝土溢出到道路上，影響環境及對其他道路使用者帶來安全隱患。讓操作員進入攪拌筒進行清潔會引發安全和健康問題，應該盡量避免。此外，硬化的混凝土會降低攪拌車的承載能力，影響能源和車隊的效率。

以機器人取代人手工作

Drumblaster鼓式爆破系統是我們提升混凝土車清潔的新方案。它利用自動化機器人技術，使司機能夠經常清潔攪拌筒，最大程度地減少混凝土堆積，避免了人手清潔工作的操作風險。通過定制的程序，高壓水流可以清洗攪拌筒，而操作員只需要控制系統不需進入攪拌筒。

經常保持和監控混凝土車清潔度使我們的車隊可以提供更高效的服務，同時最大限度地減少對環境的影響並保護團隊的安全和健康。Drumblaster已應用於我們新的青衣混凝土生產中心。

Driving Safety

Advanced Driving Assistance System (ADAS)

駕駛安全

革新駕駛安全輔助系統

Our operation involves heavy truck operators to deliver cementitious materials and concrete by tanker trucks and concrete mixer trucks respectively. The driving attitude of these drivers impact the safety of himself and other road users.

我們營運時需聘用重型車操作員駕駛泥缸車和混凝土攪拌車運送水泥材料和混凝土。這些司機的駕駛態度對自己和其他道路使用者的安全非常重要。

Safety and environmental risks of heavy truck

Traffic accidents involving heavy trucks not only result in physical injuries but could lead to environmental impact as well including spillage of concrete on public roads. The new ADAS helps monitor driving behaviour and road conditions, alerting our drivers before incident happen. Automated analysis also enables development of training program to enhance the awareness of truck operators.

AI assistance system and camera device to minimize accident

This technology includes AI assistance system and camera device that provide real time monitoring of road conditions and the corresponding driving behaviour of truck operators. An audible warning will be triggered to timely alerting drivers before incident happens, minimizing traffic accident occurrences. With this technology in place, driving performance and safety of our truck operators can be safeguarded. The regular driving performance review and follow up training as part of our truck fleet management will support our endeavour to further improve and promote overall HSE culture and safe operation.



重型車安全環保風險

重型車的交通事故不僅導致身體受傷，還會對環境造成影響，包括混凝土灑落在公路上。應用新的駕駛安全輔助系統有助監控駕駛和路面情況，及時提點我們的司機，以降低事故率。系統還可以分析司機的駕駛行為，以制定適當培訓來提升司機的警覺性。

以人工智能輔助系統和攝像鏡頭減少意外

該新技術包括人工智能輔助系統和攝像鏡頭設備，實時監控駕駛行為和路面情況。在事故發生之前，系統會發出警告，及時提醒司機。這項技術可以提升我們司機的駕駛表現和保障其安全。我們亦可透過定期的駕駛表現評估和跟進培訓，進一步改善和促進整體HSE文化和安全操作。

Drive Customer Experience by Digital transformation

推行數碼化轉型

提升客戶體驗



Driver App 司機流動應用程式

Transformation with Mobile Apps

Digitization with mobile apps has become increasing important to better serve our customers and improve our productivity.

With the mass utilization of smart phones across all generations, developing mobile apps can substantially increase our reach to provide value for our customers. Construction materials as a rather traditional industry, not many companies are fully utilizing mobile apps to service their customers or enhance their internal processes. This presents a great opportunity for Alliance moving forward.

以流動應用程式驅動數碼化轉型

隨著科技發展，以流動應用程式帶動數碼化轉型對提升客戶服務和生產力變得越來越重要。

因應智能手機在不同年齡層的普及化，發展流動應用程式令我們可多方面為客戶增值。建築材料作為一個相對傳統的行業，只有少數公司可充分利用流動應用程式來服務客戶或改進內部流程。這對友盟的未來發展是一個絕佳機會。

Our mobile apps journey started when we introduced our Drivers app. This app notifies our drivers when it is their time to load concrete, replacing the physical scoreboards and manually calling of drivers to drive to the loading area. This enabled them to be ready and standby at a staging area when required, decreasing the idle time and increasing the productivity at the plant. This app also serves as a communication tool with our drivers for daily operation arrangement. Leveraging the learnings from this successful case, we can develop solutions to benefit our customers as well.

我們的流動應用程式之旅始於公司的司機流動應用程式。這個應用程式會通知司機何時需要裝載混凝土，代替了實體告示牌來通知司機到裝載區報到。這使他們能夠及時準備好，在等候區待命，從而減少閒置時間並提高生產力。該程式還可以作為與司機進行日常操作溝通的工具。從這個成功案例中汲取的經驗，令我們可以繼續開發令客戶受益的方案。



From Driver to Customer Apps

從司機程式到客戶程式

Remote Batching

遙控預拌生產系統



E-Docket Customer App 客戶流動應用程式



A key step of our apps journey is to help our customers by digitizing their current manual and paper processes. The brand new E-Docket Customer App was launched in 2022. Customers who have adopted the new app to replace the traditional paper docket experienced a drastic improvement with their site concrete management.

Changes include real time upcoming delivery information, QR Code matching to ensure correct load to site and transparent concrete status information available for site management to front line staff, etc. With an easy-to-use intuitive interface, our customer's front line site staff can assure that the correct concrete is arriving to their site using the 'scan and accept' process. Also, customers can manage schedule and utilize their resources on site better based on the real time updates of delivery progress.

我們應用程式轉型的一個關鍵步驟是通過把手動和紙本單據流程數碼化，以更好地服務客戶。全新的客戶收貨流動應用程式已於2022年上線。客戶可使用新的應用程式取代傳統紙本送貨單流程，令地盤的混凝土管理顯著改善。

新的應用程式功能包括實時更新付運信息、二維碼配對以確保正確產品送到正確的地盤，而地盤前線員工亦可掌握混凝土交付信息等。通過簡易的界面設計，客戶的地盤前線員工可以使用「掃描及收貨」程序確保收妥混凝土。此外，客戶可以根據實時更新的交付進度資料更好地管理工程進度和資源。

Centralized Control with Remote Batching 以遙控預拌生產控制生產線

The trend of remote working is on the rise globally, we therefore developed a new "Remote Batching" system to manage production anytime, anywhere. This new invention allows us to control all our 8 production lines in Tsing Yi at STW2 Plant, which can significantly enhance the reliability and efficiency of outbound logistics. With the specially designed IT system, our operators can remotely control all batching related machines and devices to load concrete into our mixer trucks from their home. Therefore, it enables production to meet the operational needs anytime, bringing greater flexibility to our operations. In case of contingency, such as the COVID-19 crisis, we can utilise the system to ensure our business continuity, minimizing the risk of concrete supply suspension.

遠程工作是全球化趨勢，我們亦因而開發了新的遙控預拌生產系統來隨時隨地管理生產。這項新發明讓我們可以在西草灣II廠房集中控制在青衣全部8條生產線，顯著提高出貨物流的可靠性和效率。通過專門設計的IT系統，操作員可以在家中遠程控制所有與預拌生產相關的機器和設備，將混凝土裝載到攪拌車中。因此，我們能隨時滿足生產需求，為營運帶來更大的靈活性。當突發事件出現，例如新冠疫情危機爆發時，我們可以利用該系統來確保業務持續性，從而最大限度地降低混凝土供應中斷的風險。

ANSON AU 區嘉翰
Head of Digital and Technology of Alliance 友盟數碼及科技主管



朝可持續性數碼轉型方面的努力，將為友盟發展成為一家「面向未來」的企業奠定基礎。通過流動應用程式和數碼化營運，客戶可以自行查找所需信息，我們的服務效率亦因而提升。遙控預拌生產系統對於提高我們的生產彈性至關重要。我們相信客戶對友盟的看法亦會有所不同，成為一間具前瞻性的企業。

Foundation for Future Readiness 未來準備的基礎

With all the effort made towards sustainable digital transformation, Alliance is building the foundation for a future-ready business in the long term. Through our apps and digitalized operation, customers can look up required information instantly, rather than calling us for help, we can therefore increase service efficiency. The remote batching system is essential to improve our production flexibility. We believe our customers will view us from another perspective, as a forward-thinking solutions provider.



Power a low carbon future -
Renewable energy
驅動低碳未來 -
可再生能源

Alliance's
Largest Solar
PV System Installed
in STW2 Plant

西草灣 II 廠裝設
最大型太陽能
光伏系統

Generate electricity
每年發電量

約 **74,000kWh+**
annually

Offset
每年抵消

29 tonnes
噸
CO₂ per year
二氧化碳排放

Equivalent to planting
相等於為香港
額外種植

480 extra trees
棵樹



Renewable Energy
可再生能源

Alliance has partnered with NEFIN Group to install the solar PV system for Alliance's new Sai Tso Wan 2 (STW2) Plant. A project completion ceremony was held on 13 December 2022.



STW2 Plant is Alliance's third concrete batching plant to install a solar PV system for generating renewable energy. The solar PV systems in the two other Alliance plants, namely Yuen Long Plant and Tsing Tim Street plant were installed in 2020. This is the largest system amongst the 3 plants. The plant contains 124 PV panels, which are installed at two separate rooftop zones. Alliance and NEFIN teams have opted to make use of industrialized panels for this project which contain specialized optimizer systems for electrical safety enhancement while optimizing performance.

友盟及立盈集團(NEFIN)合作於公司的西草灣II廠裝設太陽能光伏系統。項目已經圓滿竣工並於2022年12月13日舉行了啟動儀式。

新的西草灣II廠是友盟旗下第三個裝設太陽能光伏系統以產生可再生能源的混凝土廠。其他兩個配備太陽能光伏系統的友盟廠房分別是元朗廠及清甜街廠，兩個系統均於2020年安裝。最新的太陽能系統在三個項目中規模最大。該廠房設有124塊光伏板，分別安裝於兩個獨立的天台區域。團隊選擇在該項目中使用包括特製優化器系統的工業化面板，既能加強電力安全，亦能優化系統表現。

Green Concrete Solutions for HKSTP Phase 2 Expansion

香港科學園二期擴建的綠色混凝土方案

As a pioneer in driving the innovative development of Hong Kong, Hong Kong Science & Technology Parks (HKSTP) is accelerating the development through its Phase 2 Expansion. Green element is a key element of the expansion project.

作為推動香港創新發展的先驅，香港科技園正通過其二期擴建計劃加速發展。環保元素是擴建項目的關鍵部分。

Early Engagement in Project Design Stage 於項目初始階段參與建材設計

HKSTP has initiated a sharing session with Alliance on green product before it set out their project specifications and requirements. In response to the ambitious carbon reduction objectives of HKSTP, Alliance offered tailored green concrete solutions consolidating all essential green building requirements in Hong Kong, including BEAM Plus Scheme, CIC Green Product Certification, use of recycle materials, etc. The challenges included adding green elements in all materials submission after reviewing by the project consultants, engineers and architects to ensure effectiveness and achieve optimal results.

香港科學園在制定擴建項目規格和要求之前邀請了友盟舉行了綠色產品分享會。因應香港科技園公司較高的減碳目標，友盟提供了定制的綠色混凝土方案，當中整合了香港主要綠色建築要求，包括BEAM Plus計劃、建造業議會綠色產品認證、使用回收再造材料等。項目挑戰包括添加綠色元素在所有材料提案，並須通過項目顧問、工程師和建築師的審核，以確保方案的有效性和達到最佳成果。

What Make Our Products Green? 友盟產品的「綠色」元素

Product Design 產品設計

- Optimized concrete mixes design
 - Application of supplementary cementitious materials (e.g. PFA, GGBS, CSF) and recycled aggregates
 - Application of admixture technology
 - Value Added Products with sustainable benefits
- 優化的混凝土配方設計
 - 生產時應用飛灰和粒化高爐礦渣粉(PFA、GGBS及CSF)作為水泥替代物料及再生石料
 - 應用特殊混凝土添加劑
 - 具有可持續發展效益的增值產品

Production and Delivery 生產和運輸

We adopt strict environmental-friendly practices in our production and delivery process. All our raw materials are from traceable and responsible sources. Take aggregates handling as an example, there is an environmental risk of dust pollution during its transfer and storage.

我們在生產和交付過程中採取最嚴格的環保措施。我們所有的原材料均來自可追溯且負責任的來源，以石料為例，石料轉運或存儲於躉船時或有粉塵污染環境的風險。

Fully Enclosed New Aggregates Barge

To ensure continuing compliance with the environmental requirements and meeting production demand, we have arranged extra aggregates barge with fully enclosed compartments and conveyors to support our STW2 Plant. With newly equipped compartment covers and over 5,500t stock capacity, this barge will ensure the good practices of dust control and the enhanced capacity can support our low carbon operation. The enclosed compartments also can benefit our quality control, minimizing the risk of having excess water in the aggregates stock.

全封閉式新石料躉船

為確保持續符合環境要求並滿足生產需求，我們安排了新改裝的躉船以支持西草灣II廠的營運。躉船的設計採用了全封閉式的間隔和輸送帶來運輸石料。新的隔艙蓋令躉船能確保良好的灰塵控制，其增大至5,500噸以上的庫存容量亦實踐了我們的低碳營運策略。質量控制方面，封閉的隔間也有利我們最大限度地降低石料產品中水分過多所帶來的潛在質量風險。

Take CSR to The Next Level Run for Hope 2022

革新的企業社會責任活動

跑·出希望 2022



From 1 Oct to 31 Dec, Alliance launched the "Run for Hope 2022 - Challenge 3,000 km" virtual charity run. It's the second year we organise the virtual run event. The event last year received an overwhelming response from the Alliance staff, we therefore upgraded the run target from 1,000km to 3,000km and extended the invitation to our parent companies and friends and relatives of the staff.

2022年10月1日至12月31日，友盟舉行了「挑戰3,000公里 跑·出希望」虛擬慈善跑步活動。這是友盟第二年舉辦虛擬跑步活動，去年的賽事得到員工的熱烈支持，因此我們將跑步目標提升到3,000公里，並邀請母公司的員工和員工的親友參與。



RUN FOR CHARITY 慈善·跑

Besides promoting a healthy lifestyle, Alliance has donated \$100,000 to Po Leung Kuk to support its social welfare initiatives as the participants all together achieve the goal of 3,000km+ runs and walks during the event period. Po Leung Kuk especially arranged a site tour for Alliance to Po Leung Kuk Museum, introducing its history and connection with the Hong Kong society.

除了推廣健康的生活外，因應參加者在活動期間合共完成了3,000公里以上的跑步或步行的目標，公司向保良局捐出了港幣10萬元以支持其社會福利服務。保良局特意安排友盟參觀了保良局博物館，介紹機構的悠久歷史及其與香港社會的淵源。

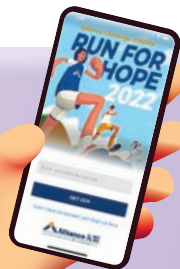
Donation of
捐贈 **\$100,000**

to Po Leung Kuk and site tour at Po Leung Kuk Museum
予保良局及參觀保良局博物館




RUN VIRTUALLY

虛擬·跑



We were proud to create a fully digitalised event with designated app this year. The event app enabled participants to design their own cartoon character, submit run and walk result, upload photos as well as checking the real time runner ranking and total distance achieved.

今年我們更把活動升級為一個全數碼化虛擬跑步賽事。活動附設專屬活動流動應用程式，參與者可設計自己的卡通角色、提交跑步和步行成績、上傳照片以及查看實時跑手排名和活動達成的總公里數。

 **Total Distance achieved** **10,567**
完成的總里數 **10,567**
KM公里

 **Distance achieved (Internal runners)** **6,739**
內部跑手總里數 **6,739**

 **Distance achieved (External runners)** **3,828**
外部跑手總里數 **3,828**





A Golden Shiny Christmas Party 2022 Alliance Staff Enjoyed A Night Of Surprise and Fun!

金色閃閃聖誕夜2022!

友盟員工共享驚喜和歡樂的聖誕派對



On 14 December 2022, staff of Alliance gathered in the Christmas Party to enjoy a surprising and fun evening. After a year full of challenges, it's a great time to get together as a family and celebrate with delicious food, some fun games and lucky draws. The party is also a recognition of all staff's hard work, dedication and contribution throughout the year.

Golden shiny is the theme of the party this year, all staff shared the excitement of Christmas with all the golden decoration and dressed gold to celebrate this special occasion.

2022年12月14日，友盟員工聚首一堂，一齊參加聖誕派對，度過了一個充滿驚喜和歡樂的晚上。在經歷了充滿挑戰的一年之後，員工像一家人般聚在一起，共享美味的食物、有趣的遊戲和幸運大抽獎。聖誕派對也是對全體員工一年來辛勤工作、付出和貢獻的肯定。

金光閃閃是今年派對的主題，所有員工都非常享受當天充滿金色的裝飾的精彩聖誕節氣氛，並配合金色的裝扮慶祝這個特別的節日。



2022 Caritas Charity Bazaars 明愛賣物會2022

As a long-term supporting organization of Caritas, volunteers from Alliance participated in the Annual Caritas Bazaar held at St. Paul's Convent School in Causeway Bay on 27 November 2022.

More than 200 booths were set up for the bazaar that day. Alliance's volunteers helped at the bazaars to sell books, toys and other products for charity purposes. Over the past years, we supported Caritas in helping them to raise fund for their charitable activities. The volunteer thought it's very meaningful to participate in this kind of event to support those in need in Hong Kong.

作為明愛的長期支持機構，友盟特別派出義工參加了於2022年11月27日在銅鑼灣聖保祿學校舉行的一年一度的明愛義賣會。

當天義賣會設置了200多個攤位。友盟義工們在會場幫助售賣出售書籍、玩具和其他用品作慈善用途。在過去幾年裡，我們一直支持明愛，協助他們為慈善活動籌集資金。能夠參與這些慈善活動，幫助香港有需要的人，義工們覺得十分有意義。



Our Pride

Award in 2022 獎項一覽2022

Recognition Program for Organisations 2022 香港品質保證局「機構嘉許計劃2022」

- Management Award for Net-Zero Contribution – Visionary Blueprint towards Net-Zero
傑出碳中和貢獻管理大獎 – 卓越遠見碳中和規劃藍圖
- Pioneering Organisation in Net-Zero Contribution (Alliance)
碳中和貢獻先鋒機構(友盟)
- Pioneering Organisation in Net-Zero Contribution (STW2 Plant)
碳中和貢獻先鋒機構(西草灣二廠)
- Leadership Award for Net-Zero Contribution (CEO)
傑出碳中和貢獻領袖(行政總裁)

HERA Award 2022 – Commendation for the Best Sustainability Report for Non-listed Companies 香港環境社會及管治報告大獎2022 – 最佳非上市公司可持續發展報告獎

15 Years Caring Company 商界展關懷標誌(連續15年或以上)

Proactive Safety Contractor Award 香港建造商會 – 積極安全承建商獎

HKCA Safe Person-in-Charge Award 香港建造商會 – 安全負責人獎

HKCA Safe Supervisors Award 香港建造商會 – 安全監督獎

Social Capital Builder (SCB) Awards 2022 社會資本動力獎2022 – 標誌獎

Happy Company Award 開心工作間2022

Say Yes to Breastfeeding Campaign Certificate Say Yes To Breastfeeding 證書

Alliance Family

友盟大家庭

New Face 新面孔

YUNICE FAN 范寶如

Hi everyone, I'm Yunice and I joined Alliance as a Receptionist & Administration Assistant in June 2022. It's my pleasure to join the Alliance family! Before joining Alliance, I have worked in office administration for years. In my spare time, I enjoy sightseeing and watching movies. My optimistic and easy-going personality earn me good interpersonal relationships. I look forward to meeting and working with you all!

大家好，我是Yunice。很榮幸能夠成為友盟大家庭的一分子。加入友盟前，我在辦公室行政範疇工作了數年。工作以外，我很享受觀光遊覽及看電影。我樂觀隨和的性格有助我建立良好的人際關係。非常期待未來與大家進一步交流合作！



ALLEN FUNG 馮景禧

Hi everyone, I'm Allen. It's my pleasure to join the Alliance Customer Service Centre as a Supervisor (Analyst) in June 2022. This is my first job based in Hong Kong. I have worked in marketing and customer service industry in APAC for over 9 years. I used to travel around the Asian countries for client meetings, in which Singapore is my favourite country as I can stay close with my family. I am excited to share my experience with the team. My hobbies are playing badminton and travelling. Welcome to share more if you enjoy the same.

大家好，我是ALLEN。很高興於今年6月加入友盟，在客戶服務中心擔任主任及分析員。過去我在市場推廣及客戶服務方面工作了近9年，期間不時在亞太地區工作及與客戶交流。當中我最喜歡留在新加坡，因為可以和家人更親近。我很期待與不同團隊分享我的經驗。打羽毛球和旅遊都是我最喜歡的活動，歡迎同好者分享更多。



STELLA YAM 任穎琛

Hello everyone, I am Stella. It is my honour to join Alliance family in September 2022 as a Procurement Officer. Before joining Alliance, I worked in procurement field for many years in different construction companies. I'd love to bring my past working experience and knowledge to the job. I like outdoor activities in my spare time, I look forward to sharing with you all.

大家好，我是Stella。很榮幸於2022年9月加入友盟這個大家庭成為採購主任。在加入友盟之前，在不同建築公司從事採購工作多年，希望憑著我過去的工作經驗和知識，能為友盟作出貢獻。工作以外，我也喜歡戶外活動，歡迎大家一起分享及交流。



VANESSA CHOW 周彩嫻

Hi everyone! I am Vanessa. I am pleased to join Alliance as the Accounting Officer in July 2022. Prior to joining Alliance, I worked in an audit firm. This new role in accounting is a challenge for me, I am grateful for the opportunities here. As a positive learner, I am eager to explore more and look for new chance to make progress. I hope I can contribute to the company with you all.

大家好！我是Vanessa，很高興於今年7月加入友盟擔任會計文員。在加入友盟之前，我曾在會計師事務所從事審計工作。對我而言，擔任會計相關的職務是一個新的挑戰，感謝友盟提供的機會。我渴望學習並尋找進步的機會，亦期待與不同同事合作，希望能為公司做出貢獻。



PAUL TAI 戴家傑

Hello Alliance. This is Paul and I'm so glad to join the Operation team as an Assistant Production Manager. This is a new environment and industry for me, I'm excited to work with top-notch people in the industry and confident about this new challenge. I hope my previous experience in the production field will help me get familiar with different tasks quickly. I believe that operation efficiency is all about teamwork, planning and focused strategies. I look forward to collaborating with you all.

大家好，我是Paul，很高興加入友盟的營運團隊擔任助理生產經理。對於我來說這是一個新環境、新行業、新挑戰。我很高興能與業內頂尖人士一起工作，並對這新挑戰充滿信心！希望我以前在生產領域的經驗能幫助我快速熟習不同的工作。我相信營運效率取決在於團隊合作、規劃和針對性策略。我期待與大家合作努力。



KELLY WONG 王嘉麗

Hi Everyone! I am Kelly and I am pleased to join Alliance Finance team as Accounting Officer in Aug 2022. I have worked for different Accounting posts for more than 10 years. It is challenging for me to fit in a new environment and culture in construction industry. Besides learning, I enjoy coffee and experiencing the nature. I look forward to working with you all to create something remarkable.

大家好！我是Kelly，我很高興自2022年8月起加入友盟財務部擔任會計主任一職。我在不同的會計領域工作了10多年。融入建築行業這個新的環境和文化是對我的挑戰。在學習新事物以外，我也喜歡咖啡和大自然。期待著與大家一起努力，在未來創造更好。



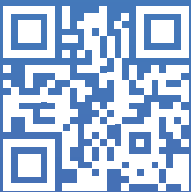
MIKE CHEUNG 張浩然

Hi everyone, it's Mike here, who joined the IT Department as Analyst Programmer in September 2022. In my previous roles in IT, I have tried developing software, website and apps. I am very pleased to be part of Alliance, and I hope that I can contribute to the company in different ways from my previous work experience.

大家好，我是Mike。於今年9月加入友盟資訊科技部成為程式分析員。我過去的相關工作主要是開發軟件、網頁及手機應用程式。很高興能加入友盟，希望我的工作經驗能為公司出一分力。



Alliance 360 MAGAZINE



www.concrete.hk

Tel: +852 2862 2200 Fax: +852 2529 1035 Email: enquiry@concrete.hk
1901 A, One Harbourfront, 18 Tak Fung Street, Hung Hom, HK
九龍紅磡德豐街18號海濱廣場1期19樓1901A室

