超越圈圈
CIRCULAR - CROSS

2026 超越圈圈

循環經濟新創展

Circular-Cross Innovation Exhibition

Collaboration Creates Greater Impact

$$(1+1)^2 > 1^2 + 1^2$$

2026.08.13 (Thu.)-08.16 (Sun.)

VENUE：Ximen Red House 西門紅樓

1 樓 中央廣場 11:00 - 21:00(週六至22:00)

2 樓 二樓劇場 11:00 - 18:00(平日至17:00)

AKINORI OISHI ©

超越圈圈
CIRCULAR - CROSS

FUTURE
ALL
TOGETHER

“YOUR LIFE IS THE RESULT OF THE CHOICES YOU MAKE”

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長官的話

環境部 部長 彭啓明

今年「超越圈圈」展覽以 Collaboration Creates Greater Impact 為策展主軸，這正是推動循環經濟最重要的精神。循環經濟從來不是單一企業、單一技術，或單一政府部門可以完成的工作，而是需要政府、企業、學術研究、設計創意、文化藝術，以及每一位公民共同參與。當不同領域願意跨出自己的舒適圈，建立合作、分享資源、共同創新，就能創造出一加一大於二的影響力，形成真正的循環生態系。

本次展覽完整呈現了循環經濟的多元面向。從「台灣紡流」展區，看見智慧分選、再生纖維與永續時尚如何重新定義紡織產業；在「循環生活提案」中，看見半導體副產物、海洋廢棄物及工業剩餘資源，如何透過設計重新回到我們的生活空間；「循環知識庫」則將材料、科學、藝術與教育結合，讓知識成為推動永續的重要力量；而「互動體驗區」更讓循環經濟不只是展示，而是一種可以親身參與、實際感受的生活方式。

本次展覽導入 AI「氣候收據」互動系統。每一位參觀民眾都可以透過參與展覽、完成永續行動，立即看見自己的減碳成果。這不只是一張收據，更是一份對環境的承諾，也是一種新的環境教育方式。當永續行動能夠被記錄、被量化、被分享，每一個人都能更清楚知道，原來自己的每一次選擇，都正在為地球帶來改變。這也正呼應環境部持續推動「淨零綠生活」的政策方向，希望透過科技與創新，讓全民更容易參與環境行動。

今年展覽也邀請了來自日本、泰國、國際夥伴共同參與，透過藝術、設計與文化交流，一起合作。循環經濟沒有國界，氣候變遷也沒有國界。唯有透過國際合作與知識交流，才能共同找到更具韌性的永續解方，也讓台灣的循環經濟成果與世界接軌。

未來，環境部也將持續攜手產業、地方政府、學術界與民間團體，推動循環技術創新、資源循環產業發展、綠色設計、環境教育，以及全民參與行動，讓循環經濟從展覽走入產業、走進校園，更融入每一位民眾的日常生活。我們期待，循環不只是展場中的展示，而是每一個人的生活態度，也是台灣邁向淨零轉型的重要力量。

最後，再次感謝所有支持本次展覽的夥伴，以及每一位來到現場的朋友。希望大家透過這四天的展覽，不僅能看見台灣循環經濟的創新能量，更能帶著新的想法、新的合作，以及新的行動，一起為台灣打造更加永續、更具韌性的未來。

彭啓明

MINISTER OF ENVIRONMENT
DR. CHI-MING PENG

This year's Circular Cross exhibition is centered on the theme "Collaboration Creates Greater Impact." I believe this captures the essential spirit of advancing a circular economy. A circular economy cannot be achieved by a single company, technology, or government agency. It requires the collective participation of government, industry, academia, designers, artists, and every member of society. When different sectors collaborate, share resources, and innovate together, they can create an impact far greater than the sum of their individual efforts—and build a truly circular ecosystem.

This exhibition presents the many dimensions of the circular economy. "Circular Textile Taiwan" shows how intelligent sorting, recycled fibers, and sustainable fashion are redefining the textile industry. "Circular Living" demonstrates how semiconductor by-products, marine waste, and surplus industrial resources can be transformed through design and returned to everyday life. The "Circular Knowledge Library" brings together materials, science, art, and education, turning knowledge into a driving force for sustainability. Meanwhile, the "Interactive Experience" section takes the circular economy beyond static displays and makes it something everyone can experience firsthand.

This exhibition introduces the AI-powered "Climate Receipt" system. By completing sustainable actions, visitors can immediately see the carbon-reduction impact of their choices. This is more than a receipt. It represents a personal commitment to the environment and offers a new approach to environmental education. When sustainable actions can be recorded, quantified, and shared, people can better understand how every choice they make can contribute to positive change. This initiative also reflects the Ministry of Environment's efforts to promote a "Net-Zero Green Lifestyle." Through technology and innovation, we hope to make environmental action more accessible and encourage greater public participation.

It is especially encouraging to welcome partners from Japan, Thailand, and other parts of the world to this year's exhibition. Through art, design, and cultural exchange, they are working together to explore new possibilities for circularity. The circular economy knows no borders—and neither does climate change. Through international cooperation and knowledge exchange, we can develop more resilient and sustainable solutions while connecting Taiwan's circular economy achievements with the wider world. Looking ahead, the Ministry of Environment will continue working with industry, local governments, academia, and civil society.

We will advance circular technologies, resource-circulation industries, green design, environmental education, and public participation. Our goal is to bring the circular economy beyond the exhibition hall—into industries, schools, and everyday life. We hope circularity will become not only something people see at an exhibition, but also a shared way of living and an important force supporting Taiwan's transition toward net zero.

Finally, I would like to express my sincere appreciation to all the partners who have supported this exhibition and to everyone joining us today. Over these four days, I hope everyone will discover the creativity of Taiwan's circular economy and leave with new ideas, new partnerships, and new commitments to action. Together, let us build a more sustainable and resilient future for Taiwan.

Thank you.

策展論述

面對氣候變遷、資源短缺與產業轉型，循環經濟已不只是環境議題，更是一種重新連結人、資源、產業與社會的方法。它促使我們重新思考材料從何而來、如何被使用，以及完成原有任務後，能否透過設計、技術與制度創新，進入下一段生命歷程。

2026《超越圈圈》以「Collaboration Creates Greater Impact」為策展核心，邀請設計、科技、藝術、教育、企業與公眾跨越既有邊界，在交流與共創中探索循環的新可能。正如展覽提出的 $(1 + 1)^2 > 1^2 + 1^2$，當不同領域的專業、資源與創意相遇，產生的不只是力量相加，更可能形成持續擴散的影響力，使循環成為產業協作、教育推廣與生活實踐的共同語言。

本屆展覽以西門紅樓為場域，讓這座融合歷史文化與當代創意的城市地標，成為循環行動與公眾對話的交會點。展覽規劃「台灣紡流」、「循環生活提案」、「循環知識庫」與「互動體驗」四大展區，從紡織、建材、科技、飲食到藝術創作，呈現剩餘資源如何跨越產業流動，經由研究、設計與製程創新，被重新理解、組合並回到日常生活。

展場本身也是循環理念的實踐。我們運用農用籃、木棧板、瓦楞紙板、紙展架、循環地毯與E-Poster建構展示空間，減少一次性裝修與大量輸出的耗材。展具以可拆解、可搬運、可重複組裝為原則，讓材料在展示、收納與運輸之間靈活轉換。展覽結束後，農用籃與木棧板回到原有用途，紙材得以回收再製，循環地毯與展架則延續至下一個展覽或教育場域。撤展不是材料生命的終點，而是下一次使用的開始，也讓策展從空間搭建到撤場規劃，落實對資源的責任。

展覽亦結合AI互動、氣候收據、國際藝術家創作、劇場演出及工作坊，邀請觀眾從觀看走向參與。透過觸摸材料、操作互動、參與創作與記錄行動，理解每一項日常選擇都可能成為循環系統的一部分。當選擇再生材料、支持循環產品等行動被記錄與分享，永續便不再只是抽象理念，而成為每個人都能實踐的生活經驗。

《超越圈圈》希望打造的不只是一場展覽，更是一個持續連結創新者、企業、教育者與公眾的共創平台。值得延續的不僅是材料的生命，也是合作所建立的信任、知識與關係。當更多人願意跨越自己的圈圈，每一次相遇都可能開啟新的合作，讓資源找到新的去處、讓創意進入真實場域，也讓微小行動匯聚成改變未來的力量。

The Curator

賴慧容 Jenny, Lai

CURATORIAL STATEMENT

In the face of climate change, resource scarcity, and industrial transformation, the circular economy is no longer solely an environmental concern. It offers a new way to reconnect people, resources, industries, and society. It invites us to reconsider where materials come from, how they are used, and whether design, technology, and systemic innovation can lead them into a new life cycle after their original purpose has been fulfilled.

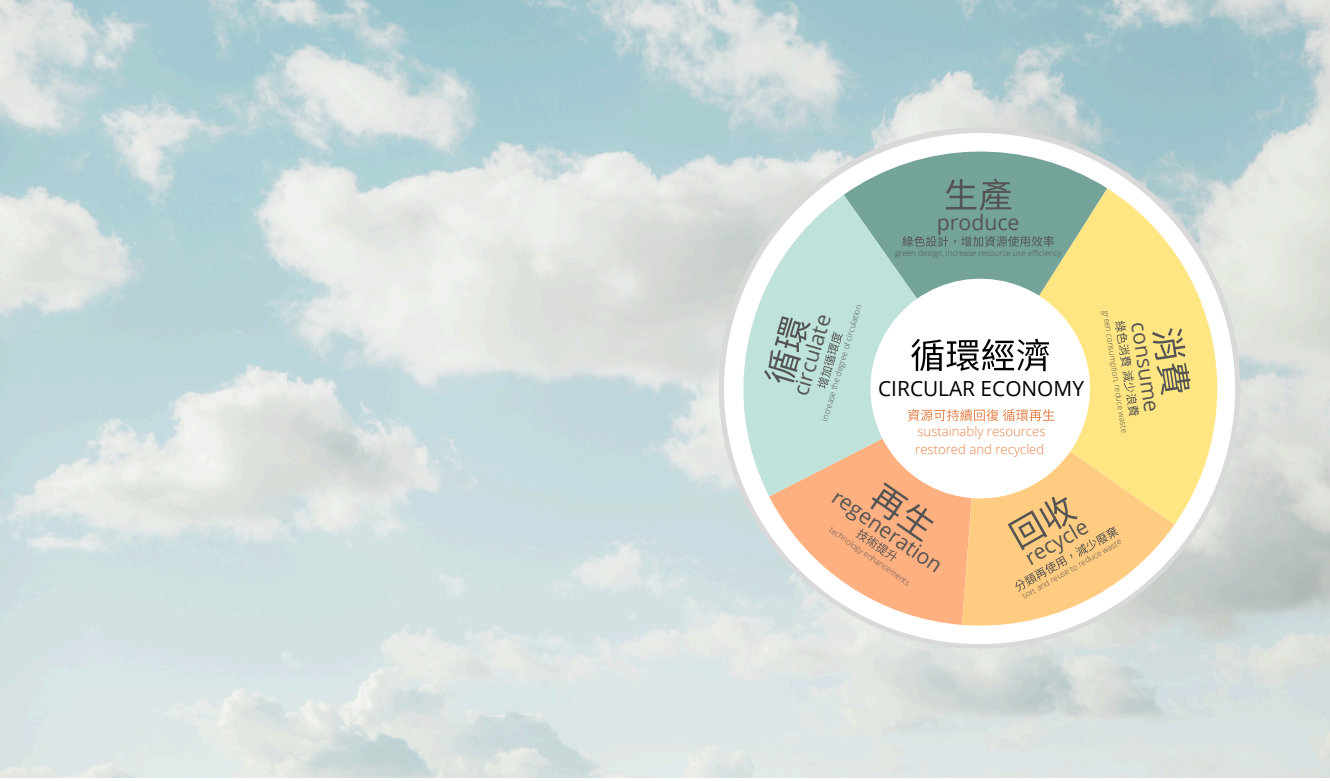
With "Collaboration Creates Greater Impact" as its curatorial theme, Circular Cross 2026 brings together design, technology, art, education, business, and the public to move beyond conventional boundaries and explore new possibilities through dialogue and co-creation. As expressed by the exhibition's proposition, $(1 + 1)^2 > 1^2 + 1^2$, when expertise, resources, and creativity from different fields intersect, their impact is not merely additive—it can multiply and continue to expand. In this way, circularity becomes a shared language for industrial collaboration, education, and everyday practice.

Held at the historic Red House in Ximending, the exhibition transforms this landmark—where cultural heritage meets contemporary creativity—into a meeting point for circular action and public dialogue. Four themed zones, "Circular Textile," "Circular Living," "Circular Knowledge Library," and "Interactive Experiences," explore circular practices across textiles, building materials, technology, food, and artistic creation. Together, they reveal how residual resources can move between industries and return to everyday life through research, design, and manufacturing innovation.

The exhibition space itself is also an expression of circular thinking. Agricultural crates, wooden pallets, corrugated boards, paper display structures, circular flooring, and E-Posters are used to reduce disposable construction materials and excessive printing. Each display structure is designed to be dismantled, transported, and reassembled, allowing materials to move flexibly between exhibition, storage, and transportation. After the exhibition, the crates and pallets can return to their original functions, paper materials can be recycled, and the flooring and display structures can be reused in future exhibitions or educational settings. Dismantling the exhibition is therefore not the end of these materials' lives, but the beginning of their next use. From installation to deconstruction, the curatorial process puts responsible resource use into practice.

The exhibition also incorporates AI-powered interactions, the Climate Receipt, works by international artists, theatrical performances, and workshops, inviting visitors to move from observation to participation. By touching materials, engaging with interactive installations, creating works, and recording their actions, visitors can discover how everyday choices form part of a larger circular system. When actions such as choosing regenerated materials and supporting circular products are recorded and shared, sustainability is transformed from an abstract concept into a tangible and achievable way of life.

Circular Cross aspires to be more than an exhibition. It seeks to become an evolving platform that connects innovators, businesses, educators, and the public. What deserves to be sustained is not only the life of materials, but also the trust, knowledge, and relationships created through collaboration. When more people are willing to step beyond their own circles, every encounter can spark a new partnership, help resources find new destinations, bring creativity into real-world settings, and turn small actions into a collective force for shaping the future.



循環經濟是一種再生系統，藉由減緩、封閉與縮小物質與能量循環，使得資源的投入與廢棄、排放達成減量化的目標。循環經濟有很多不同的定義，好比說是一個未來真正可永續發展、零浪費，並可與我們所處的環境和所擁有的資源共生的想法。循環經濟所構築的未來是所有製造生產的每個產品都經過精心設計，並可用於多個循環來使用，不同的材料與生產製造的循環皆經過仔細考量搭配，如此一來，一個製程的輸出始終可成為另一個製程的輸入。

在循環經濟中，將是零排放、零廢棄，所生產出的副產品或受損壞的產品或不再想用的貨物並不會被看作是“廢物”，而是可成為新的生產週期的原材料和素材。

Circular Economy is a regenerated system using slowing down, closed and reduced material and energy circulation to achieve the goal - reduction of resource input and waste, and emission. There are several different definitions of Circular Economy, you can say it is an idea of a sustainable developing, zero wasting future, and it can symbiosis with our environment and resources. All products are all carefully designed and are able to used in several circulations in the future constructed out of Circular Economy, the different materials and the production circulations are also carefully organized result in an output becoming an input from a production to another.

It will be zero emission and zero waste in Circular Economy, all by-products or damaged products which are produced in it are not going to be seen as "rubbish", they are going to be the orginal and raw materials for the new productions.

氣候收據設計論述 Climate Receipt — Design Concept

「氣候收據」以日常消費中熟悉的收據形式為設計原型，重新思考人與環境之間的交換關係。傳統收據記錄我們花費了多少金錢，氣候收據則呈現每一個生活選擇，為地球減少了多少負擔。透過簡潔的圖像、數據與行動語言，將抽象的碳排放轉化為可閱讀、可理解，也能被感受的生活資訊。
它將「消費證明」轉化為個人與企業對環境負責的「行動證明」，除了讓大眾看見日常選擇的減碳價值，也能協助企業更快速掌握自身行動所創造的環境貢獻與影響力。每一張氣候收據，都是一份寫給未來的生活帳單，提醒我們：每一次選擇，都在形塑世界未來的樣貌。

The Climate Receipt uses the familiar format of an everyday receipt to rethink the exchange between people and the environment. While a conventional receipt records how much money we spend, the Climate Receipt reveals how much impact each lifestyle choice can reduce for the planet. Through simple icons, data, and action-oriented language, it translates abstract carbon emissions into information that is clear, relatable, and tangible.
It transforms a “proof of purchase” into a “proof of action,” demonstrating environmental responsibility for both individuals and businesses. Beyond helping people recognize the carbon-reduction value of everyday choices, it enables businesses to quickly understand and communicate the environmental contribution and impact of their actions. Each Climate Receipt is a statement addressed to the future—a reminder that every choice helps shape the world we are creating.

場域介紹｜Venue Guide
西門紅樓｜歷史與創新交會的舞台
The Red House
西門紅樓建於1908年，是臺北具代表性的歷史建築與文化創意場域。本屆「超越圈圈」以這座百年建築為舞台，串聯循環設計、藝術、科技與生活提案，讓歷史空間承載當代創新，也讓循環的想像走進城市日常。

1F｜循環亮點展區 Circular Highlights
匯集國內外循環設計、藝術創作與創新品牌，從材料再生、工藝轉化到生活應用，呈現循環經濟跨越產業與國界的多元實踐。從一樓開始，看見本屆展覽最具代表性的循環亮點。

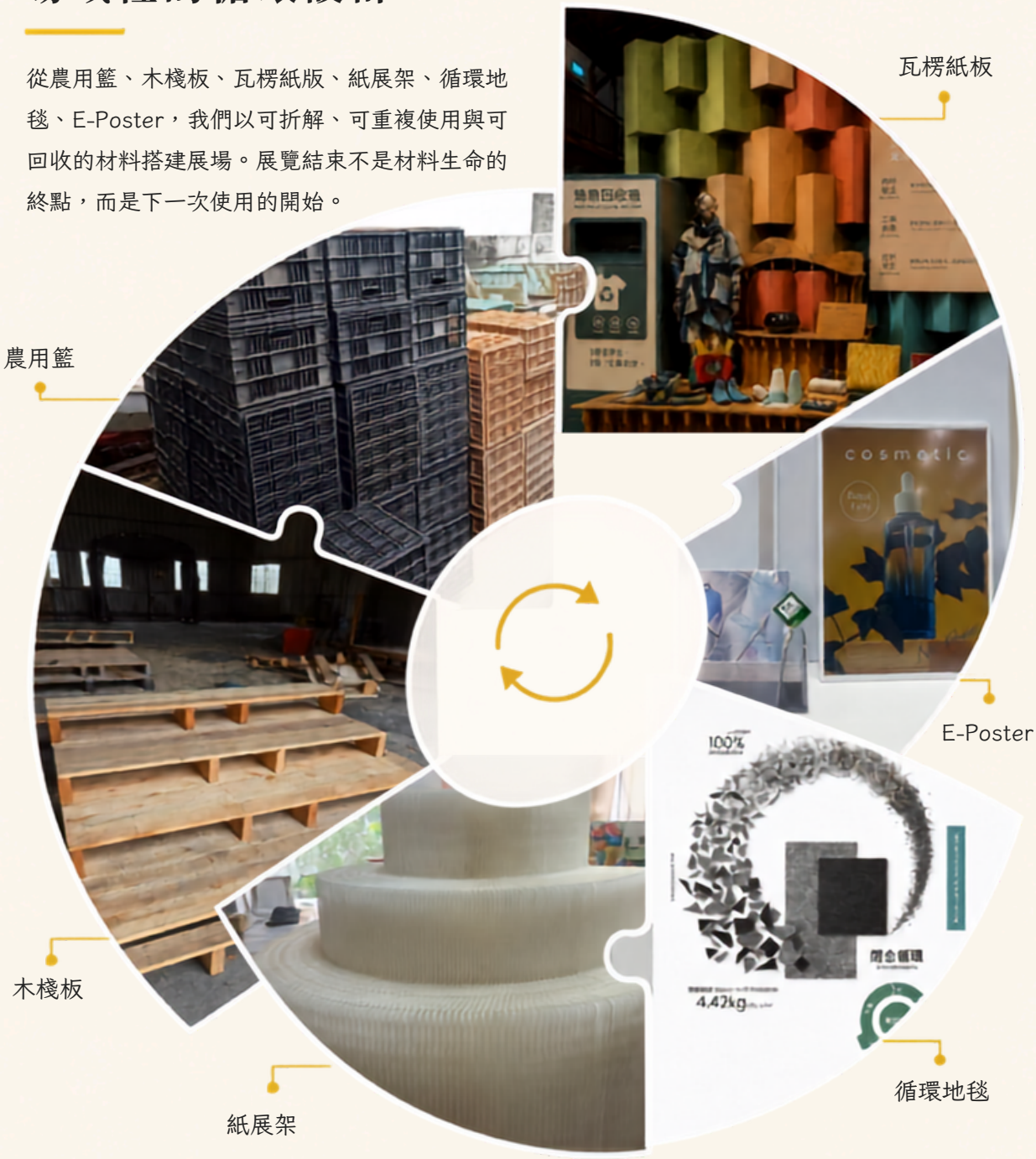
2F｜四大主題展區 Four Themed Zones
以「台灣紡流、循環生活提案、循環知識庫、互動體驗區」四大主題，串聯材料、設計、科技與行動。觀眾可以認識資源如何重返循環，並透過展品與互動體驗，找到參與永續生活的方法。

- 台灣紡流｜Taiwan Textile Circularity
- 循環生活提案｜Circular Living
- 循環知識庫｜Circular Library
- 互動體驗區｜Interactive Experience Zone

循環拼圖

場域裡的循環設計

從農用籃、木棧板、瓦楞紙版、紙展架、循環地毯、E-Poster，我們以可折解、可重複使用與可回收的材料搭建展場。展覽結束不是材料生命的終點，而是下一次使用的開始。



模組搭建・減少一次性裝潢・展後再利用

氣候收據
Climate Receipt

每一個日常選擇，都會留下不同的氣候足跡。氣候收據將步行、減少一次性用品、回收衣物、使用再生紙等行動，轉化為一張看得見的行動紀錄。

步行 1 公里

少用塑膠袋

回收一件衣物

每日一蔬食

氣 候 收 據
CLIMATE RECEIPT

DATE 2026.05.18 TIME 15:30

我的氣候行動

步行 1 公里	1
少用塑膠袋	1
回收一件衣物	1
每日一蔬食	1

TOTAL 4 ACTIONS

THANK YOU FOR YOUR CLIMATE ACTION!
謝謝你，為氣候帶來改變！

與大石曉規的合作
Collaboration with Akinori Oishi

大石曉規 Akinori Oishi（日本藝術家 / Japan）

來自日本的藝術家大石曉規，以溫暖的角色「Aki Smile」聞名於世界各地。
在 Circular-Cross 展覽中，我們將 Aki Smile 融入「氣候收據」，把每日的氣候行動選擇，轉化為友善、可收藏的視覺紀錄，陪伴每一個行動，讓改變變得更可愛，也更有力量。

讓每一次氣候行動，都留下一個微笑。

INTERACTIVE EXPERIENCE

氣候收據體驗

CLIMATE RECEIPT EXPERIENCE

從現場製作到線上生成，兩種方式記錄你的氣候行動。
每一張收據，都是改變的開始。

01 現場製作
CREATE ON SITE

畫下行動 → 寫下宣言 → 貼上分享

Draw your action → Write your pledge → Stick it and share it

02 線上體驗
SCAN & CREATE ONLINE

掃描 QR Code，生成你的氣候收據
SCAN TO CREATE YOUR CLIMATE RECEIPT

把選擇變成收據，讓氣候行動被看見。

Turn choices into receipts. Make climate action visible.

台灣紡流

Taiwan Textile Circularity

每一件衣服，
都值得擁有第二次生命。

台灣擁有世界領先的紡織產業，
也正走向循環經濟的新時代。

從 AI 智慧分選、再生纖維、
生物材料，到循環設計與永續時尚，
本展區串聯材料回收、科技創新與
生活應用，展現台灣如何重新定義
紡織品的生命週期。

當一件衣服不再只是被丟棄，
而是重新回到設計、生產與生活，
它便成為循環經濟最貼近每個人的實踐。

From Waste
to Wear.
From Fiber
to Future.

資源再生
Recycled Materials

減少浪費
Reduce Waste

美學日常
Aesthetics in Everyday Life

地方創生
Local Revitalization

永續陪伴
Sustainable Companions

沛德永續科技股份有限公司

e轉機智慧回收機透過 AI 與 NIR 光學辨識技術，提升廢紡織品材質分類效率，降低傳統人工分類不精準、回收物混雜及後端低值化處理的問題。當舊衣能被正確辨識與分流，較適合再利用的材料可導向再生纖維、再生紗線或其他資源化用途，減少焚燒、掩埋與一次性原生材料使用所造成的環境負擔。設備同時建立雲端回收履歷，紀錄回收件數、材質類別、批次資訊與後續流向，使回收成果不只停留於收集，而能轉化為可管理、可追蹤、可視覺化的環境數據。此系統可支援品牌、通路、企業與活動場域推動永續回收行動，並作為未來 ESG 管理、循環採購與減碳效益估算之資料基礎。

The eSort Textile Station uses AI and NIR optical identification to improve textile sorting accuracy and efficiency, reducing contamination and low-value processing caused by manual sorting. Correct material identification enables discarded textiles to be redirected into recycled fibers, regenerated yarns, and other high-value applications, reducing landfill, incineration, and the use of virgin materials. A cloud-based tracking system records material types, quantities, batches, and recycling destinations, providing traceable environmental data to support ESG management, circular procurement, and carbon reduction initiatives.

e轉機智慧回收機 eSort Textile Station

本次展出「e轉機智慧回收機」，結合 AI 光學辨識、近紅外光譜（NIR）及雲端回收履歷技術，提供舊衣智慧回收與材質辨識體驗。系統可快速辨識多種紡織材質，提升分類效率，並將回收件數、材質與流向上傳雲端，建立可追蹤的循環履歷，作為後續分選、再利用及 ESG 管理基礎。透過智慧回收流程，讓參觀者了解廢紡織品如何轉化為高價值循環資源，實踐循環經濟與永續生活。

The eSort Textile Station combines AI optical recognition, NIR spectroscopy, and a cloud-based tracking system to deliver intelligent textile recycling. It quickly identifies fabric types, improves sorting efficiency, and records recycling data for traceable material management. Visitors can explore how discarded textiles are transformed into valuable circular resources, supporting ESG practices, the circular economy, and sustainable living.

品牌介紹

珀興企業有限公司

RAFAC 以「機能 × 設計 × 永續」為核心，展出產品採用回收咖啡渣紗、再生聚酯纖維等環境友善材料，將廢棄資源轉化為具吸濕排汗、除臭與耐用機能的生活運動襪。
透過回收材料的再利用，RAFAC 可減少對原生石化纖維的依賴，降低資源消耗與廢棄物產生。同時，產品設計強調耐穿、可長時間使用，延長產品生命週期，減少頻繁汰換造成的環境負擔。讓消費者理解「永續不只是材料選擇，也是一種更長久、更負責任的生活方式」

RAFAC integrates functionality, design, and sustainability by producing performance socks made with eco-friendly materials such as recycled coffee grounds yarn and recycled polyester fibers. These recycled resources are transformed into durable, moisture-wicking, and odor-control products for everyday and sports use.
By replacing virgin petroleum-based fibers with recycled materials, RAFAC reduces resource consumption, waste generation, and environmental impact. Its long-lasting product design extends the product lifecycle, minimizing the need for frequent replacement and reducing carbon emissions associated with production and disposal. RAFAC demonstrates that sustainability is not only about material choices, but also about creating durable products that support a more responsible lifestyle.

AFAC

SnowStride

戶外機能動動襪 / 雪行襪 / 極地守護雪行襪

RAFAC戶外機能襪專為健行、登山與滑雪打造，採用毛巾厚底、分區支撐、脛骨防護及止滑設計，提供優異的穩定性、緩衝與保護。具備排汗快乾、透氣抑臭及保暖機能，長時間穿著依然舒適乾爽。精準結構搭配人體工學設計，滿足戶外活動與雪地運動對支撐、平衡及舒適性的需求，提升每一步的安全感與表現。

RAFAC outdoor performance socks are designed for hiking, trekking, and skiing. Featuring cushioned terry soles, targeted support zones, shin protection, and anti-slip construction, they provide superior stability, cushioning, and comfort. Moisture-wicking, quick-drying, breathable, odor-resistant, and warm, they keep feet dry during extended outdoor activities. The ergonomic structure enhances support, balance, and protection, delivering confidence and performance with every step.

品牌介紹

S.enyun
森蘊. 友善織品

一珈伊國際有限公司
CHIA YI TEXTILE INT. CO., LTD.

一珈伊國際有限公司旗下品牌「senyun森蘊友善織品」創立於2025年，以全永續循環再設計為核心理念，致力於將農業剩餘資材與食品副產物轉化為日常可用的永續紡織品。以循環經濟為核心，採用將鳳梨葉、咖啡渣、回收寶特瓶、海廢尼龍網、蛋殼及牡蠣殼等廢棄物轉化的再生纖維與紡織材料，降低原生資源開採與廢棄物處理所產生的環境負荷。透過再生材料應用於制服與日常服飾，延長資源生命週期，並結合有機棉、天絲、亞麻等天然素材，推動紡織產業朝向資源循環、減碳與永續製造發展。

Founded in 2025, "senyun" by Yijiayi International Co., Ltd. focuses on sustainable circular redesign, transforming agricultural and food waste into everyday textiles.
Driven by the circular economy, senyun upcycles materials like pineapple leaves, coffee grounds, PET bottles, and oyster shells into regenerated fibers, significantly reducing the environmental burden of virgin resource extraction.
By applying these materials—blended with organic cotton, Tencel, or linen—to uniforms and daily apparel, senyun extends resource lifecycles and drives the textile industry toward carbon reduction and sustainable manufacturing.

蛋殼再生
之紡織商品設計

本次展出以蛋殼粉生質布料為主軸，結合DPP數位產品護照與高齡友善識別織品，呈現從循環材料到永續產品的創新應用，展出服飾、帽子、涼感抗菌床包、重力眼罩、護頸及手腕護墊等多元產品。

This exhibition centers on eggshell powder bio-based fabrics, integrating Digital Product Passports (DPP) and senior-friendly identification textiles to showcase innovative applications from circular materials to sustainable products. A diverse range of items is featured, including apparel, hats, cooling antibacterial bed sheets, weighted eye masks, as well as neck and wrist supports.

品牌介紹

藍天畫布有機棉
Azure Canvas Organic Cotton

藍天畫布有機棉以有機棉種植與全循環製程實踐低碳紡織。不使用農藥與化學肥料，降低農業投入碳排，並透過棉花栽培增加碳截存。生產過程全面推動資源循環利用，將精梳落棉用於娃娃填充材料、布邊條再編織為地墊與隔熱墊、裁剪碎布再製為手作飾品，或回收成棉纖維重新紡紗織布，形成纖維循環。透過減少廢棄物焚化、降低新原料需求及延長材料生命週期，有效減少碳排放，落實循環經濟與永續紡織。

Azure Canvas Organic Cotton advances low-carbon textile model through organic cotton cultivation and circular resource use. Organic farming avoids synthetic pesticides and fertilizers, reducing agricultural carbon emissions while increasing carbon sequestration through cotton cultivation. Throughout production, textile waste is continuously reused: cotton combing waste is reused as dolls stuffing material, fabric edge strips are woven into rugs and pot holders, and fabric cutting scraps are transformed into handicrafts or recycled back into cotton fiber for spinning and weaving. By extending the life cycle of materials, reducing textile waste sent to incineration, and lowering the demand for virgin materials, the company effectively reduces carbon emissions while advancing a circular economy and more sustainable apparel production.

有機棉娃娃、地墊、環保袋、服飾
Organic Cotton Dolls, Rugs, Eco Bags, Apparel & Towels

採用GOTS認證有機棉製作，不使用農藥與化學肥料栽培，兼顧舒適與環境友善。系列包含有機棉安撫娃娃、手工編織地墊、環保袋、台灣製服飾及毛巾手帕，並將製程中的落棉、布邊與剩餘布料再利用，用於填充物、製成編織品或回收再紡成棉纖維，讓每件產品兼具天然質感、實用性與循環設計價值。

Made from GOTS-certified organic Egyptian cotton, this collection includes comfort dolls, handwoven rugs, eco bags, and apparel. The cotton waste, fabric edge strips and fabric cutting scraps are reused as filling materials, woven products, or recycled into cotton fiber for spinning, creating high-quality everyday essentials with natural comfort, practical functionality, and circular design

影片介紹

Vast.

三原有限公司
UNITY COLLECTIVE CO., LTD.

實踐全循環鏈

業界領先的「化學回收技術」，解決聚酯纖維混紡彈性纖維難以回收的痛點，實現真正的封閉循環。紡織廢棄物減量，每年淘汰的服飾數量龐大。若能建立舊衣回收、拆解並「升級再造(Upcycling」，可實質降低環境負荷。

The company pioneers an advanced chemical recycling technology that overcomes one of the textile industry's biggest challenges—recycling polyester fabrics blended with elastane. By separating and recovering valuable materials, the process enables a true closed-loop recycling system for textiles. It helps divert large volumes of discarded garments from landfills and incineration while supporting fiber-to-fiber regeneration and upcycling. Through textile waste reduction, resource recovery, and circular manufacturing, the technology significantly lowers the demand for virgin materials, reduces carbon emissions, and advances a more sustainable and low-carbon textile industry.

全循環衝浪生活服飾
Full-Circle Sustainable Surfwear

結合加州與夏威夷風格的永續生活服飾。
該系列的設計靈感來自加州和夏威夷的生活方式，主打秉持循環經濟原則的可持續衝浪服飾。透過結合環保材料、經典款式和負責任的生產方式，該系列服裝旨在促進資源節約、減少環境影響，並支持更永續的生活方式。

Inspired by the lifestyles of California and Hawaii, this collection features sustainable surfwear designed with circular economy principles. By combining eco-friendly materials, timeless style, and responsible production, the apparel promotes resource conservation, reduces environmental impact, and supports a more sustainable way of living.

品牌介紹

FARM TO MATERIAL INC
Agriculture waste solution provider

陽光娜娜生物材料股份有限公司
FARM TO MATERIAL INC,

陽光娜娜以「探索香蕉纖維的綠潛力」為主題，運用香蕉假莖等農業剩餘資材，透過專利仿生循環製程轉化為紡織纖維、生質添加纖維及有機液體肥料，實現零剩餘資源利用。藉由保留植物碳封存、減少焚燒與腐爛產生的碳排放，同時提供紡織、塑膠及農業等多元應用，展現農業廢棄物高值化、循環經濟與低碳永續的創新實踐。

F2M explores the green potential of banana fiber by transforming agricultural residues, such as banana pseudostems, through a patented biomimetic circular process. These materials are converted into textile fibers, bio-based additive fibers, and organic liquid fertilizer, achieving zero-waste resource utilization. By retaining the carbon stored in plants and reducing emissions caused by burning or decomposition, the process supports diverse applications across the textile, plastics, and agricultural sectors. It demonstrates an innovative approach to the high-value use of agricultural waste, circular economy development, and low-carbon sustainability.

探索香蕉纖維的綠潛力
Explore the Green Strength of Banana Waste

陽光娜娜將香蕉假莖等農業剩餘物資高值化再利用，以專利仿生循環製程完整保留植物固碳效益，避免腐爛或焚燒造成碳排放。

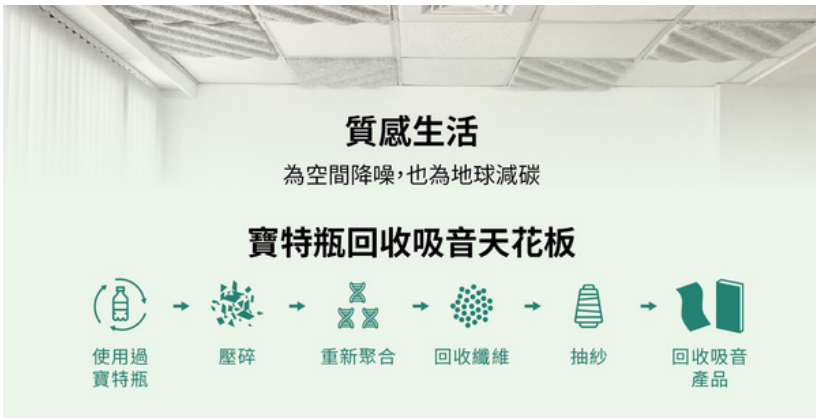
單一製程可產出紡織纖維、生質添加纖維及有機液體肥料，實現零廢棄循環。香蕉纖維兼具高吸水、隔熱等天然特性，可應用於機能紡織、生質塑膠、植物皮革及農業肥料，提供兼顧減碳、減塑與循環經濟的永續材料解方。

F2M upcycles banana pseudostems and other agricultural residues through a patented biomimetic circular process that preserves stored carbon and prevents emissions from burning or decomposition. One process creates three products: textile fibers, bio-based plastic additives, and organic liquid fertilizers, achieving zero waste. The materials support low-carbon textiles, bioplastics, vegan leather, and sustainable agriculture with maximum resource efficiency.

品牌介紹

VICROUND

盈絲實業有限公司
VicRound Limited Company



盈絲實業(VicRound)成功顛覆了傳統製造與空間配件的思維，將看似無用的廢棄舊衣、舊鞋底及寶特瓶，透過創新回收技術轉化為陪伴我們日常工作的「環保再生滑鼠墊」，以及優化空間美學與聲學品質的「吸音天花板」，完美實現高品質體驗與循環經濟價值的結合。

VICROUND has successfully changed traditional manufacturing and indoor accessories. By using innovative recycling tech, the company turns waste clothing, shoe soles, and plastic bottles into eco-friendly recycled mouse pads for daily work, as well as acoustic ceilings that improve room style and sound quality—perfectly combining high performance with the value of a circular economy.

衣鞋回收滑鼠墊
Recycled Mouse Pad

原料源自回收的廢棄舊衣物與廢棄鞋底進行改性轉化成可再使用的回收滑鼠墊。

Recycled Mouse Pad
Made from recycled waste clothes and old shoe soles, these materials are turned into reusable recycled mouse pads.

寶特瓶回收吸音天花板
Acoustic Ceiling panel

採用環保再生聚酯(PET)材料打造，質地輕盈且具備優異的耐用性與防火防潮特性。

Acoustic Ceiling panel
Made from eco-friendly recycled PET materials, it is lightweight, highly durable, and features excellent fire and moisture resistance.

品牌介紹

KARUS
在意生活

辰肯企業有限公司
CHEN KEN ENTERPRISE CO., LTD.

KARUS 在意生活以循環設計理念推動紡織資源再利用，建立企業制服及紡織廢料回收機制，將汰換制服、活動服與製程邊角料重新導入材料循環，降低焚化與掩埋處理需求，減少廢棄物產生及碳排放。透過材料分類、再製加工與在地製造，延長紡織材料使用壽命，降低對新原生材料的依賴，提升資源使用效率，實踐循環經濟理念。同時協助企業將資源循環納入 ESG 與永續管理，建立可追溯的回收與再利用流程，兼顧環境效益與品牌永續價值。KARUS 透過循環設計與跨域合作，讓廢棄紡織品從一次性資源轉化為可持續利用的循環材料，促進責任生產與消費，為低碳轉型及淨零永續發展提供具體實踐方案。

KARUS promotes textile resource circularity through circular design by collecting discarded corporate uniforms and textile waste for reuse. Retired uniforms, event apparel, and production scraps are returned to the material cycle, reducing incineration, landfill, waste generation, and carbon emissions. Through material sorting, remanufacturing, and local production, KARUS extends textile lifecycles, lowers demand for virgin materials, and improves resource efficiency. The company also helps businesses integrate circular resource management into ESG strategies with traceable recycling processes, creating both environmental and long-term brand value while supporting a low-carbon, net-zero future.

再衣筆
Dressed Pen

再衣筆以企業汰換制服、活動服及紡織邊角料為原料，透過分類、再製與成型，賦予廢棄紡織品全新生命。循環設計延長材料使用週期，減少焚化、掩埋及對新原料的需求，降低資源消耗與碳排放。每支筆皆保留原布料的色彩與纖維紋理，不重新染色，因此擁有獨一無二的外觀，也承載企業文化與使用記憶，展現資源循環、永續設計與環境教育的多重價值。

TheDressed Pen is made from retired corporate uniforms, event apparel, and textile scraps through sorting, remanufacturing, and molding. By extending textile lifecycles, it reduces waste, lowers demand for virgin materials, and helps cut carbon emissions. Each pen preserves the fabric's original colors and textures without re-dyeing, making every piece unique while carrying the stories, memories, and sustainability values behind the materials.

品牌介紹

RE:NEW
研舊所

研舊所工作室
RE:NEW WORKSHOP

RE:NEW研舊所透過循環經濟思維，把生活周遭的舊資源整理、清潔、設計、再造，成為創新(upcycling)的產品。
回收台灣各地廣告帆布、咖啡麻袋、傘布、輪胎等廢棄物作為材料，產品設計融入日常，帶大家走進永續生活，朝著推廣永續時尚的目標前進。

RE:NEW Studio embraces the principles of the circular economy by transforming discarded everyday materials into innovative upcycled products. Through careful collection, cleaning, redesign, and craftsmanship, waste is given a second life with renewed value. The studio repurposes used advertising banners, coffee burlap sacks, umbrella fabric, tires, and other reclaimed materials from across Taiwan, integrating them into practical products for daily life. By combining creative design with resource reuse, RE:NEW promotes sustainable living and advances the vision of circular and sustainable fashion.

戶外輕便小包
Outdoor Crossbody Bag

這款側背包以大港開唱音樂祭回收PVC帆布再製，將原本一次性活動帆布賦予全新生命，延長材料使用週期並減少廢棄物。每件商品皆保留帆布原有圖樣與色塊，經手工裁切打造獨一無二的外觀。採用耐磨、防潑水的戶外級材質，搭配防水拉鍊、雙層收納設計及可調式戶外編織繩背帶，兼具耐用性、機能性與日常便利，展現循環設計與永續生活的價值。

This lightweight outdoor crossbody bag is upcycled from recycled PVC banners from the Megaport Music Festival. Each bag preserves the banner's original graphics and is hand-cut, making every piece unique. Featuring durable, weather-resistant PVC, a waterproof zipper, and an adjustable rope strap, it extends material life, reduces waste, and reflects circular design for everyday use.

品牌介紹

社團法人春芽公益創新發展協會
Spring Sprouts Innovations for Social Service

蘆葦女力以咖啡麻布袋再生為核心，回收咖啡麻袋與企業剩餘布料，透過循環設計再製為生活用品、企業贈禮，及手作體驗，延長材料使用壽命，降低一次性廢棄物與新材料生產需求，從源頭減少碳排放。生產過程培育在地婦女成為製作、展售人員，及手作教學者，建立兼具環境與社會價值的循環生產模式。藉由材料再生、減廢設計及資源再利用，從手作療癒到永續教育，有效減少廢棄物進入焚化或掩埋系統，推動循環經濟與永續消費，實現減碳、減廢及社會共好的多重環境效益。

Swing Reeds transforms discarded coffee burlap sacks and surplus fabrics into practical lifestyle products and corporate gifts through circular design. By extending the life of waste materials, the company reduces landfill and incineration while lowering the demand for virgin resources and the carbon emissions associated with new material production. Its production model engages local women in cutting, sewing, and upcycling, creating both environmental and social value. By integrating material regeneration, waste reduction, and community-based manufacturing,Swing Reeds promotes resource efficiency, supports sustainable consumption, and advances a low-carbon circular economy.

龍山體驗館：龍山文創基地（八號店坊）02-27516310
圓山共創坊：台北市承德路三段191巷9號1樓 02-25996310

從麻布豆袋到日常生活｜循環共創實驗場
From Coffee Burlap to Everyday Life | A Circular Co-Creation Lab

蘆葦女力以廢棄咖啡麻布豆袋為材料，透過循環設計與婦女培力，再製為生活用品及企業合作商品。展覽呈現從廢棄材料、再生設計到成品應用的循環歷程，展現材料再生、社會共創與永續設計如何結合，讓循環經濟成為日常生活中可實踐的永續行動。

Swing Reeds transforms discarded coffee burlap sacks into everyday products and corporate gifts through circular design and women's empowerment. The exhibit showcases the journey from waste materials to regenerated products, highlighting material reuse, handcrafted production, and social innovation. It demonstrates how circular economy principles can be applied in daily life through sustainable design and community collaboration.

品牌介紹

RE:NROB LAB
WHERE THE LIFE IS RE-BORN

翔紡欣紡織有限公司
RE:NROB LAB

RE:NROB LAB以循環經濟思維活化紡織產業閒置布料，將因訂單變更、取消或色差而未使用的高品質布料重新導入設計與製造，避免材料遭焚化或廢棄。相較於重新回收、再聚合及再製所需的能源投入，優先延長既有材料生命週期，能更直接降低碳排放與資源消耗。透過串聯企業、品牌、設計師與消費者，共同推動材料再利用與循環合作，減少新原料需求及廢棄物產生，實踐低碳生產模式，為企業ESG與永續消費創造兼具環境與經濟價值的循環解方。

RE:NROB LAB is a circular economy platform dedicated to giving surplus textiles a second life. High-quality fabrics left unused due to order changes, cancellations, or color adjustments are redesigned and transformed into new products instead of being discarded or incinerated. By prioritizing the use of existing materials over energy-intensive recycling and new production, the company extends material life, reduces carbon emissions, lowers resource consumption, and minimizes waste. Through collaboration with businesses, brands, designers, and consumers, RE:NROB LAB promotes low-carbon manufacturing, supports ESG goals, and advances a practical, scalable model for sustainable production and circular consumption.

RE:NROB LAB 永續循環托特包
RNL Loop Series: Team Taiwan Tote Bag

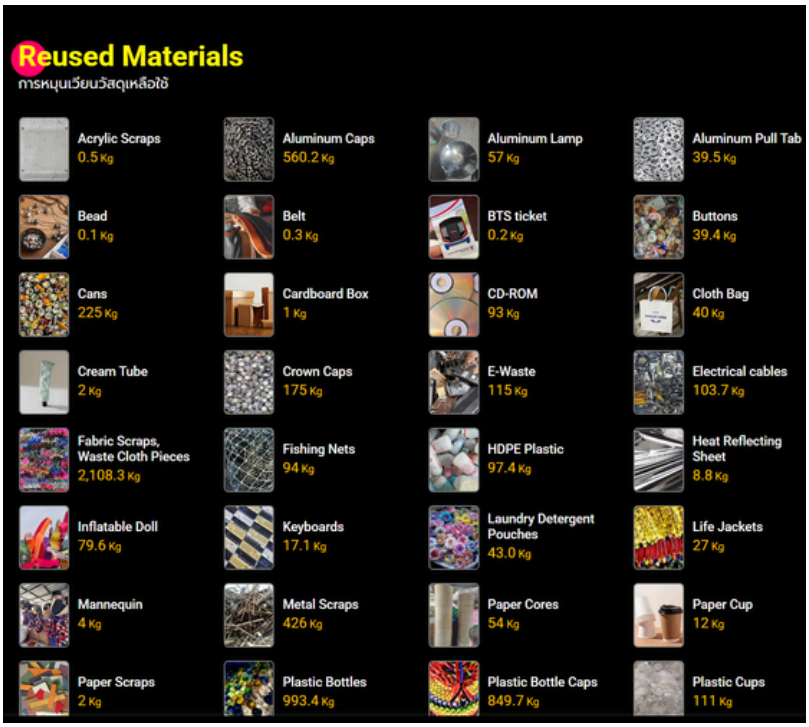
以原本將被焚燒的高品質庫存餘布製成，將既有材料重新賦予價值，減少新布料生產與資源浪費。包款採極簡設計，兼具輕盈、挺度與彈性，搭配側邊D環，可自由搭配吊飾與配件，適合通勤、旅行及日常使用。全程台灣設計與製造，展現循環設計、美感與實用性兼具的永續生活提案。

Made from high-quality surplus fabrics that would otherwise be discarded, this tote bag gives existing materials a second life while reducing the need for new production. Lightweight yet durable, it features a minimalist design and a side D-ring for customizable accessories. Designed and made entirely in Taiwan, it combines everyday functionality with circular design, transforming overlooked textiles into stylish, long-lasting essentials.

品牌介紹

WISHULADA

TURNING TRASH TO TREASURED ART



Wishulada是泰國循環藝術家與社會倡議者，長年以塑膠、活動旗幟、廣告帆布及紡織剩料進行創作，在泰國已完成逾200件作品，並曾參與Bangkok Edge Festival、Chula Sustainability Fest及Greenpeace Thailand環境倡議。她保留材料原有的文字、色彩與使用痕跡，透過裁切、拼接與塑形，將短期宣傳物轉化為包袋及藝術作品，藉由藝術引導社會重新思考消費、廢棄與生產責任。

Wishulada is a Thai circular artist and social activist who creates with discarded plastics, event banners, advertising vinyl and textile offcuts. She has produced more than 200 works in Thailand and has participated in Bangkok Edge Festival, Chula Sustainability Fest and environmental campaigns with Greenpeace Thailand. By preserving each material’s original lettering, colours and traces of use, she transforms short-lived promotional waste into bags and artworks, using creativity to encourage reflection on consumption, disposal and producer responsibility.

台泰旗幟編織包

此次與台灣合作，Wishulada運用台灣活動旗幟與剩餘布料，依循材料既有的文字、圖紋與色塊進行裁切、拼接及重新設計。每件作品都保留旗幟曾經承載的活動記憶，同時融入她在泰國累積的循環藝術經驗，將一次性宣傳材料轉化為可持續使用的包袋，呈現泰國與台灣之間獨特的設計文化交流。

For this collaboration, Wishulada uses event banners and surplus fabrics collected in Taiwan, cutting and assembling them according to their existing lettering, patterns and colour blocks. Each piece preserves memories of the events the banners once represented while incorporating her circular-art practice developed in Thailand. By transforming single-use promotional materials into reusable bags, the project creates a distinctive design and cultural exchange between Thailand and Taiwan.

品牌介紹

Circular Living Proposals

循環生活提案

讓循環走進日常，成為生活的選擇

從器物、家具到建材與塗料，
廢棄材料經由創新設計與技術，
重新定義日常生活的可能。
每一件提案，都是對資源的珍惜，
也是對未來生活的想像。

From objects, furniture to building materials and coatings, waste materials are transformed through innovative design and technology, redefining the possibilities of everyday life. Each proposal is an expression of respect for resources, and a vision for a better future.

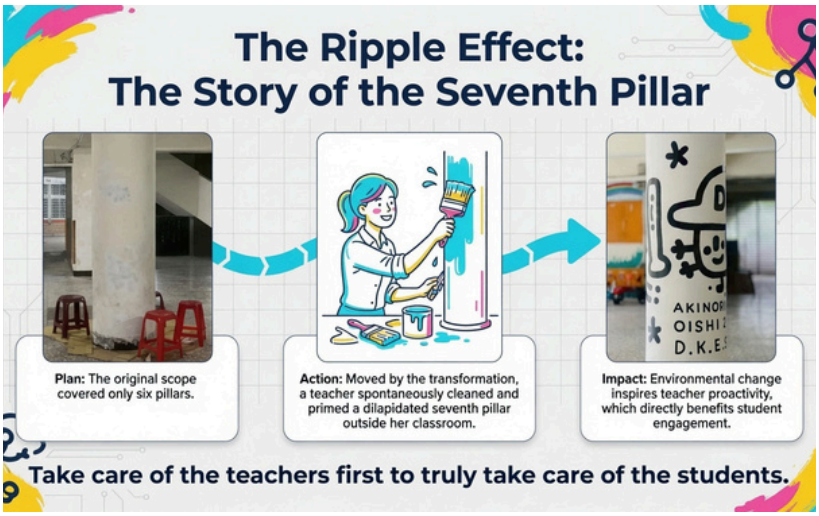
再生產材
Recycled Materials

減少消費
Reduce Waste

美學機能
Aesthetics & Functionality

共創永續未來
Co-create a Sustainable Future

塑佳材料有限公司
SC MATERIAL TECHNOLOGY CO., LTD.



塑佳材料以「矽晶圓加工副料與塑膠廢料」為循環起點，透過材料改質與複合技術，將科技業副產物轉為生活及建築材料。此模式不只處理末端廢棄物，更從材料選擇、製程設計、使用方式與後續再利用重新思考價值鏈，降低原生資源投入、廢棄處理與不必要的碳排放。透過循環科技桌墊與矽晶圓乳膠漆，讓觀眾看見材料如何從剩餘物或閒置資源轉化為具機能、美感或教育價值的新應用；同時串聯生產者、設計者與使用者，建立可被理解、參與並逐步擴散的循環路徑，讓永續從單一產品延伸為可持續運作的系統。

SC Plas applies high-value upcycling to silicon wafer residues and plastic waste from the technology sector. Through material modification and formulation, these limited-use by-products are transformed into frequently used products such as desk mats and latex paint. By creating stable, higher-value applications, the model encourages better source separation and helps accelerate closed-loop material flows across the technology supply chain.

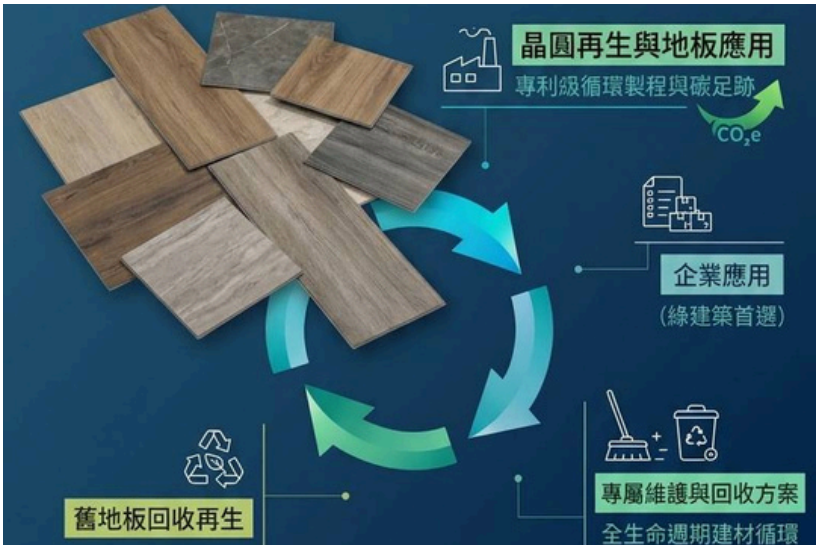
矽晶圓乳膠漆及循環科技桌墊

循環科技桌墊與矽晶圓乳膠漆，呈現科技廢料如何取代部分原生材料，轉化為安全、實用的日常用品。

Waste silicon powder generated during semiconductor manufacturing is incorporated into flooring materials through specialized formulation and processing. The resulting circular flooring is durable, antibacterial, and recyclable. By recovering an industrial by-product and reducing the use of virgin resources, the product demonstrates how semiconductor waste can be transformed into a high-value material for everyday spaces.

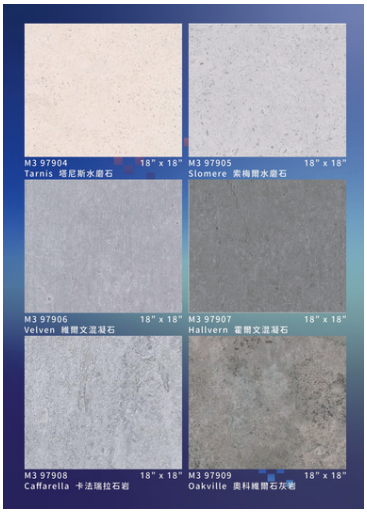
品牌介紹

應昌企業有限公司
Q-POWER CO., LTD.



應昌企業將半導體製程產生的矽晶圓副產物改質為具耐磨、抗菌性能的矽粉，取代地板中需開採取得的碳酸鈣填料，降低天然資源開採及相關碳排。產品並導入地板回收再製機制，延長材料生命週期，建立半導體廢棄物跨域應用於建材的循環模式。

Moubis transforms silicon wafer by-products from semiconductor manufacturing into modified silica powder with wear-resistant and antibacterial properties. The recycled material replaces conventionally mined calcium carbonate fillers in flooring, reducing resource extraction and associated emissions. The flooring is also designed for collection and remanufacturing, extending its material life and creating a cross-industry circular pathway from semiconductor waste to building materials.



矽晶圓永續循環地板

矽晶圓永續循環地板將半導體廢棄矽粉導入地板材料，兼具耐磨、抗菌與可回收再製特色，展現科技廢料的高值化應用。

Waste silicon powder generated during semiconductor manufacturing is incorporated into flooring materials through specialized formulation and processing. The resulting circular flooring is durable, antibacterial, and recyclable. By recovering an industrial by-product and reducing the use of virgin resources, the product demonstrates how semiconductor waste can be transformed into a high-value material for everyday spaces.

品牌介紹

泳林實業（貓砂工廠）
YONG LIN Co., Ltd

泳林實業回收豆製品加工後容易腐敗的濕豆渣，經乾燥與穩定化處理製成豆渣粉，再結合玉米澱粉及海藻水解物，開發本土豆腐貓砂。此模式減少豆渣清運與廢棄處理，也降低進口貓砂的長途運輸；產品可自然分解，形成食品副產物與寵物用品的產業共生。

Yong Lin recovers highly perishable wet okara from local soybean processing and converts it into stable soy-fiber powder through drying and treatment. Combined with corn starch and seaweed hydrolysate, the material becomes locally produced tofu cat litter. This model reduces waste handling and long-distance transport associated with imported litter while creating an industrial symbiosis between food processing and pet-care products.

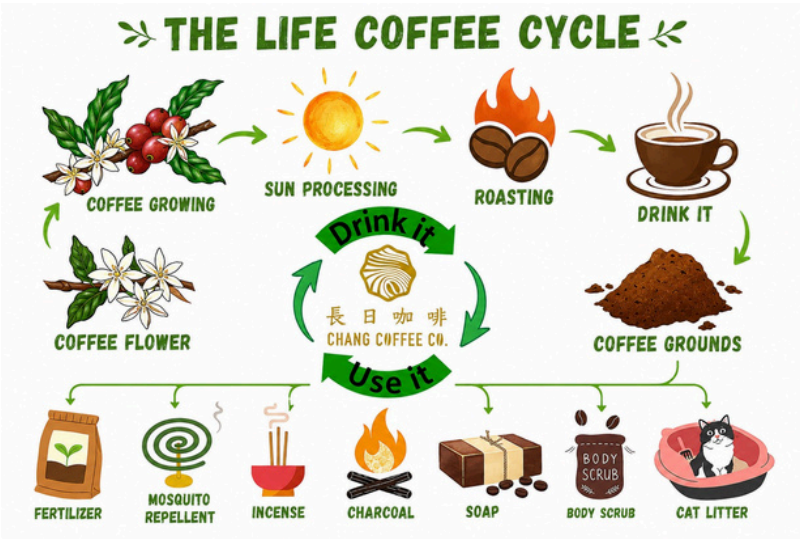
海藻抗菌豆腐貓砂

以食品加工後的豆渣纖維為主要原料，結合玉米澱粉與海藻水解物製成，將容易腐敗的豆製副產物轉化為實用的寵物用品。具有低粉塵、快速吸水凝結、除臭與可分解等特性，使用後能快速溶散，減少礦砂開採及廢棄物負擔，呈現台灣在地豆渣從食品剩餘物到日常用品的循環路徑。

Made primarily from recovered soy pulp fibre and combined with corn starch and seaweed hydrolysate, this cat litter transforms a perishable food-processing by-product into a practical pet-care product. Its low-dust, fast-clumping, deodorising and biodegradable properties reduce reliance on mined mineral litter and demonstrate a local circular pathway from soybean residue to everyday use.

品牌介紹

長日咖啡
Chang Coffee Co.



長日咖啡回收飲用後的咖啡渣，透過自主專利技術，利用工廠既有廢熱完成乾燥與發酵，使容易腐敗的濕咖啡渣成為乾淨、穩定且可加工的循環原料。再依不同性能開發清潔、香氛、皮革與炭材產品，讓單一副產物進入多元生活應用。

Chang Coffee Co. collects spent coffee grounds and uses its patented process, including recovered factory heat for drying and fermentation, to convert the perishable residue into a clean and stable raw material. The processed grounds are then developed into cleaning, fragrance, leather-like and charcoal-based products, allowing one common food-service by-product to enter a wide range of everyday applications.

咖啡渣磨力海綿
Coffee Grounds Cleaning Sponge

長日咖啡將沖煮咖啡後產生的咖啡渣回收處理，導入清潔海綿的材料設計，製成可用於碗盤、鍋具及居家表面清潔的日常用品。產品讓原本容易被丟棄的咖啡副產物延續使用價值，兼顧清潔功能與資源循環，呈現「從一杯咖啡到日常清潔」的再生路徑，也鼓勵消費者從生活小物開始實踐減廢。

Chang Coffee Co. recovers spent coffee grounds and incorporates them into cleaning sponges for dishes, cookware, and household surfaces. By extending the value of this commonly discarded by-product, the product connects everyday cleaning with resource circulation and demonstrates how the journey of a cup of coffee can continue after brewing.

品牌介紹

沐 muhair

沐 Muhair

沐muhair以濃縮固態洗髮取代傳統瓶裝洗髮精，從源頭減少產品含水量、塑膠容器與運輸負擔。產品採植物精華、在地製造及再生包裝，品牌資料指出製程可減少約70%用水、60%碳足跡，並達成洗沐產品100%無塑包裝，讓日常清潔更接近低碳生活。

muhair replaces conventional bottled shampoo with concentrated solid hair-care products, reducing water content, plastic packaging and transportation impacts at the source. By using plant-based extracts, local manufacturing and recycled packaging, the brand reports approximately 70% less water use and a 60% reduction in carbon footprint, while eliminating plastic packaging from its shampoo products.

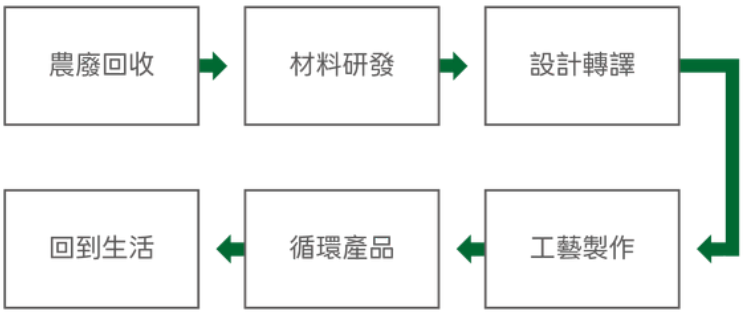
沐 Muhair 固態洗髮 Muhair solid hair-care products

沐 Muhair以濃縮固態洗髮產品取代傳統瓶裝洗髮精，減少配方中的水分與一次性塑膠容器。產品結合植物精華、在地製造及再生紙包裝，體積輕巧，亦能降低運輸負擔。透過每天都會使用的洗髮用品，呈現從配方、包裝到運送皆可實踐的無塑生活選擇。

muhair’s concentrated solid shampoo replaces conventional bottled products, reducing water content and single-use plastic packaging. Made locally with botanical extracts and packaged in recycled paper, its compact form also lowers transportation needs. This everyday hair-care product demonstrates a plastic-free alternative across formulation, packaging and delivery.

品牌介紹

耍廢工廠
Crap changer



以彰化鹹蛋殼堆積作為標的，協助農民進行農業廢資材進行系統化處理，並將已規格化的蛋殼粉進行永續設計，產出如燈具、椅凳等家居飾品，並以更量體化的製程製造已取得綠建材標章的蛋殼漆料，產出全國產的低碳建材。

Using the accumulation of discarded salted duck eggshells in Changhua as its starting point, the project helps local farmers establish a systematic process for managing agricultural waste. The eggshells are processed into standardized powder and transformed through sustainable design into home furnishings such as lamps and stools. Through a scalable manufacturing process, the material is also used to produce eggshell-based paint certified with Taiwan’s Green Building Material Label, creating a low-carbon building material made entirely from locally sourced resources.

礫光灰泥

以彰化芳苑鴨蛋殼與花蓮大理石切削細粉為主軸的灰泥塗料。本塗料由高達50%的石材產業汙泥廢棄物、天然礦物與20%回收蛋殼製成,不僅解決石材餘料、生質材料原需焚燒的去化議題,也為石材汙泥提供高值化的再利用方案。

This circular plaster coating is made primarily from discarded duck eggshells collected in Fangyuan, Changhua, and fine marble powder generated by stone cutting in Hualien. Its formulation contains up to 50% stone-industry sludge, natural minerals, and 20% recycled eggshells. By transforming mineral residues and biological waste that would otherwise require disposal or incineration into a practical wall finish, the material reduces reliance on virgin resources and creates a higher-value reuse pathway for stone sludge and agricultural by-products.

品牌介紹

杭太創意
Hunte Creative Ltd.

每年，大量蛋殼在食品加工過程中被視為副產物而被丟棄。本產品採用蛋殼粉末複合材料技術，將天然蛋殼中的鈣質資源重新導入日常用品之中，賦予原本被忽略的材料新的價值。
透過蛋殼粉末與聚丙烯複合製程，在維持產品耐用性的同時，降低部分石化原料使用比例，讓材料循環不再停留於概念，而是融入每日餐桌的真實體驗。每一只碗，都承載著資源再利用的可能性，也展現對環境更友善的生活選擇。

Every year, large quantities of eggshells are discarded as by-products of food processing. Using an eggshell-powder composite technology, this product reintroduces the naturally occurring calcium found in eggshells into everyday objects, giving new value to a commonly overlooked resource.
By combining eggshell powder with polypropylene, the product maintains the durability required for daily use while reducing the proportion of fossil-based raw materials. In this way, material circularity moves beyond an abstract concept and becomes part of the everyday dining experience. Each bowl embodies the potential of resource reuse and represents a more environmentally responsible lifestyle choice.

蛋殼永續食器
Eggshell Sustainable Bowl

永續蛋殼碗身外側採用細緻霧面質感處理，呈現溫潤且沉穩的視覺表現，同時提升握持時的手感與穩定性。內側則維持光滑表面，讓湯品、飲品與各式料理更容易清潔，不易殘留油污與色漬。碗體比例經過反覆調整，在兼顧容量與視覺輕盈感之間取得平衡。略微增高的碗底設計，使端取更加順手，也減少盛裝熱食時手部直接接觸高溫表面的機會。無論是日常用餐、品茶、盛湯或輕食使用，都能提供舒適且自然的使用體驗。

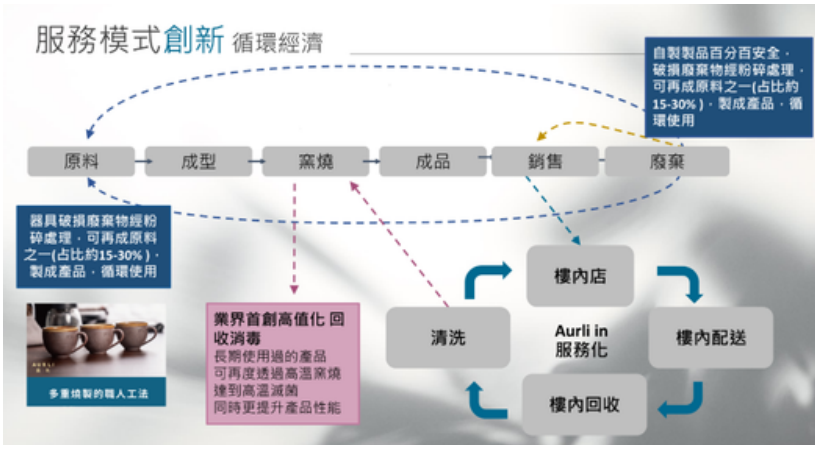
產品採用食品接觸等級聚丙烯複合材料製成，耐熱溫度可達110°C，適合盛裝熱湯、熱飲及各類日常餐食。聚丙烯本身具備良好的耐衝擊特性，不易因碰撞而破裂，相較於陶瓷器皿更輕巧，也更適合戶外露營、野餐及家庭使用。材料可依現行回收體系進行回收處理，兼顧耐用性與循環價值。從孩童到長者，從室內餐桌到戶外生活，都能安心陪伴每一次用餐時光。

Durable, recyclable bowl made with eggshells.

品牌介紹

陶作坊®
Lin's Ceramics Studio
since 1983

陶作坊
AURLIA CORPORATION



陶作坊 Taurlia（勤貿實業）以「可重複使用器具、建地泥土與陶瓷材料」為循環起點，以耐用設計、免耗材沖煮及泥土釉藥開發減少一次性用品與材料浪費。透過即品杯、360濾杯與建地土釉紀念品，讓觀眾看見材料如何從剩餘物或閒置資源轉化為具機能、美感或教育價值的新應用；同時串聯生產者、設計者與使用者，建立可被理解、參與並逐步擴散的循環路徑，讓永續從單一產品延伸為可持續運作的系統。

This circular model begins with reusable ware, excavated site soil and ceramic materials and combines durable design, filter-free brewing and soil-based glaze development to reduce disposables and waste. Through reusable cups, the 360 coffee dripper and site-soil glazed gifts, the project shows how residual or idle resources can gain new functional, aesthetic or educational value. By connecting producers, designers and users, it turns circularity from a single product claim into a practical system that people can understand, join and help expand.

老岩泥即品杯
Lao Yan Clay Tasting Cup

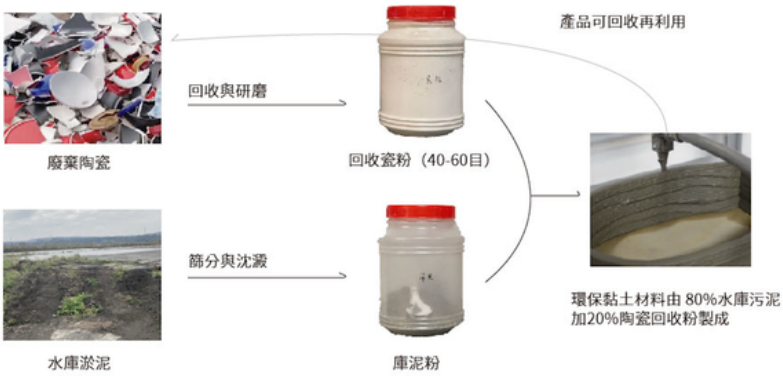
陶作坊以臺灣陶藝工法製作容量約60毫升的老岩泥即品杯，適合咖啡、茶飲及各類活動試飲使用。透過租借、回收、清洗與重複使用的循環服務，即品杯可取代活動中大量使用的一次性紙杯與塑膠試飲杯。作品不僅延長陶器的使用價值，也讓傳統陶藝成為現代活動減廢的一部分，實踐「即刻品味、持續循環」的生活提案。

Taurlia’s Lao Yan Clay Tasting Cup is a compact, approximately 60 ml ceramic cup designed for tasting coffee, tea, and other beverages at exhibitions, markets, and public events.
Supported by a circular service system of rental, return, cleaning, and reuse, the cup replaces large numbers of disposable paper and plastic tasting cups. By bringing traditional Taiwanese ceramic craftsmanship into contemporary events, the design extends the useful life of the object and turns each tasting experience into a simple, practical act of waste reduction.

品牌介紹

SHEEP CRAFT

sheep craft 羊泥工坊



作品以「庫泥 × 再生瓷」為核心，運用石門水庫淤泥與回收廢棄陶瓷作為主要原料，將原本需處理或掩埋的廢棄資源重新轉化為高附加價值的生活工藝產品，實踐循環材料設計理念。製程結合陶瓷 3D 列印技術，以數位製造取代部分傳統模具開發流程，可降低模具製作所產生的材料浪費。作品亦透過參數化設計，使列印紋理直接成為產品外觀的一部分，避免額外加工程序。

This collection centres on a circular material made from sediment dredged from Shimen Reservoir and discarded ceramics. By transforming waste materials that would otherwise require treatment or landfilling into high-value lifestyle and craft products, the project puts circular material design into practice.
The production process incorporates ceramic 3D-printing technology, replacing part of the conventional mould-making process and reducing the material waste associated with mould development. Parametric design also allows the distinctive printed texture to become an integral part of each product’s appearance, eliminating the need for additional surface processing.

RECER 室內降溫產品
RECER sustainable ceramic cooling system

羊泥工坊運用石門水庫淤泥與回收廢陶瓷調製再生陶土，透過陶瓷3D列印製作具有多孔結構與特殊表面紋理的降溫裝置。陶體吸收水分後，利用水分自然蒸發帶走周圍熱能，不需壓縮機或冷媒即可輔助降溫。作品結合循環材料、傳統陶瓷特性與數位製造，探索低耗能且適應在地氣候的生活設計。

Sheep Craft produces recycled clay from Shimen Reservoir sediment and discarded ceramics, then uses ceramic 3D printing to create a porous cooling structure. After absorbing water, the ceramic releases moisture through natural evaporation, drawing heat from the surrounding air without compressors or refrigerants. The system combines recovered materials, ceramic properties and digital fabrication to explore a low-energy cooling solution suited to local climates.

品牌介紹

樺晨燈飾 GoodForm

Good Form將養殖及食品加工後廢棄的九孔殼碎片，結合磨石工藝製作燈飾。設計保留貝殼原有的光澤、紋理與色彩，降低殼類廢棄物處理負擔，也讓過去容易被忽略的海洋副產物轉化為耐用家飾。循環材料因此不只是替代原料，更成為產品美感的核心。

Good Form combines discarded abalone shells from aquaculture and food processing with terrazzo craftsmanship to create lighting products. The design preserves the shells' natural luster, texture and color, reducing the burden of shell-waste disposal while transforming marine by-products into durable interior objects. Here, circular material is not merely a substitute—it becomes the central visual identity of the product.

霓霓吊燈
Sparkle light-S

「霓霓吊燈」以貝殼特有的光澤與紋理為設計元素，將廢棄九孔殼碎片化處理，運用類建築磨石工藝重新成形，並經細緻打磨與拋光，保留天然貝殼宛如海面粼粼波光的質感。

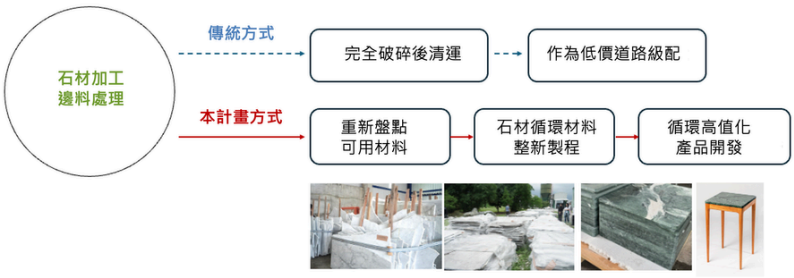
The Sparkle light-S draws inspiration from the natural lustre and textures of seashells. Discarded abalone shells are broken into fragments and reformed using a terrazzo-inspired technique, followed by careful grinding and polishing to preserve their shimmering, wave-like surfaces.

品牌介紹

研石造物 HUALIEN INTERNATIONAL STONE WORKSHOP

財團法人石材暨資源產業研究發展中心
Stone & Resource Industry R&D Center

因為石材無法再生，也沒有像金屬、塑膠材料一樣有回收再製的技術，所以更值得我們去思考如何妥善循環應用每一塊石材材料！



50% 相較使用新石材製作 減少50%以上碳排放　**100倍** 相較傳統破碎廢棄 設計提升價值百倍　**10,000才** 預估每年去化石材地震損料 或加工邊料10,000才

石材不同於金屬、塑膠，缺乏回收再製的技術，以往加工邊料多作為道路級配使用，相當可惜。本中心整合礦場、加工、資源化與設計單位，推動「石材循環高值化產業鏈」，將加工邊料、地震損料透過設計開發為高階傢俱、家飾等「高值化產品」。此舉不僅提升材料循環利用的價值，更改變了產業對加工邊料循環應用的思維，創造傳統產業永續發展的新模式。

Unlike metals and plastics, stone lacks well-established recycling and remanufacturing technologies. Traditionally, stone offcuts and processing waste have been used primarily as road base aggregate, resulting in the underutilization of valuable resources. Our center integrates quarries, stone processing, resource recovery, and design partners to develop a high-value circular stone industry chain. Through innovative design, processing offcuts and earthquake-damaged stone are transformed into premium furniture, home décor, and other high-value products. This approach not only maximizes the value of material circularity but also reshapes industry perspectives on the reuse of stone by-products, creating a new and sustainable development model for the traditional stone industry.

石材循環高值化傢俱
High-Value Circular Stone Furniture

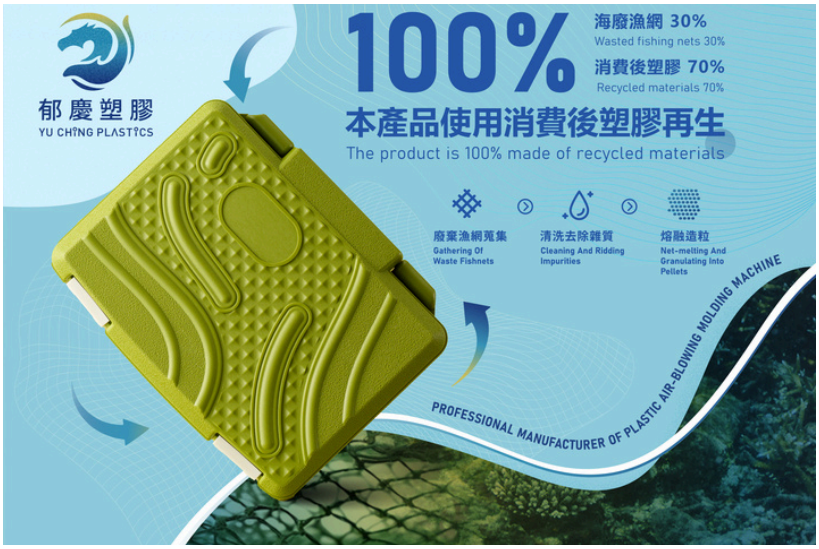
實體展出石材加工邊料原始樣貌以及整新後的材料做對比，並實際應用製作為高值化的傢俱（蛇紋石茶几）提升近百倍價值。讓民眾了解循環設計在石材產業的實際應用。

The exhibit showcases the transformation of stone processing offcuts by displaying the original material alongside the renewed material for comparison. These reclaimed stone materials are then crafted into high-value furniture, including a serpentinite coffee table, increasing their value by nearly 100 times. Through this exhibit, visitors can gain a deeper understanding of how circular design is applied in the stone industry to transform waste into premium products and create greater material value.

品牌介紹

郁慶塑膠
YU CHING PLASTICS

郁慶塑膠股份有限公司
YU CHING PLASTICS CO.,LTD



郁慶塑膠是臺中在地、深耕塑膠製造四十餘年的中空吹塑成型專業廠商，具備從材料選擇、產品設計、模具開發到量產製造的整合能力，產品涵蓋工具箱、醫療器材、汽車配件及戶外用品等。近年積極推動循環轉型，將海廢漁網與消費後回收塑膠導入製程，並以單一材質、模組化、易拆卸及輕量化等原則開發循環產品。透過「易堆疊海廢萬用箱」，郁慶塑膠突破海廢再生料應用於中空吹塑的技術限制，展現傳統製造業如何以材料創新與設計，讓廢棄塑膠重新成為耐用且可持續循環的生活用品。

Yu Ching Plastics is a Taichung-based blow moulding manufacturer with over 40 years of experience in product design, mould development, and production. To advance circular manufacturing, the company incorporates discarded fishing nets and post-consumer recycled plastics into its products. Guided by mono-material, modular, detachable, and lightweight design, it developed the **Stackable Marine-Waste Utility Case**, overcoming technical barriers to using recycled marine plastics in blow moulding. The project demonstrates how material innovation and circular design can transform plastic waste into durable products that support reuse and future recycling.

海廢萬用盒
Ocean Plastic Utility Box

將回收海廢漁網與消費後塑膠再生料，製成100%再生聚乙烯（PE）萬用箱，突破海廢材料應用於中空吹塑製程的技術限制。箱體採單一材質與易拆卸扣件設計，使用壽命結束後更容易拆解回收；重量較原設計減輕20%，並透過正反凹凸紋理提升堆疊穩定性，節省運輸空間。可彈性配置的內部空間，能作為工具、文具及各類物品的收納箱，展現海洋廢棄物兼具實用性與設計感的再生可能。

The product overcomes technical challenges in applying marine-waste materials to blow moulding. Its mono-material body and detachable fasteners make disassembly and recycling easier at the end of its useful life. The case is also 20% lighter, while interlocking surface patterns improve stacking stability and reduce transport volume. Its adaptable interior can store tools, stationery, and other everyday items, demonstrating how marine plastic waste can become a practical and thoughtfully designed product.

品牌介紹

綠色光譜
Greentogo

綠色光譜將回收塑膠、咖啡渣等材料轉化為長期使用的生活與文創商品，降低原生材料投入及焚化、掩埋需求；並結合「減碳小管家」系統，呈現產品從原料、製造、運輸、使用到回收的環境足跡，讓循環設計的材料比例與減碳效益可被理解及管理。

Greentogo transforms recycled plastics, coffee grounds and other recovered resources into durable lifestyle and creative products, reducing virgin material use and waste treatment. Its Carbon Reduction Assistant visualizes environmental impacts across sourcing, manufacturing, transport, use and recovery. This combination of physical products and data makes recycled content, carbon impacts and design improvements easier for users and organizations to understand and manage.

再生積木萬年曆
Recycled Building Block Perpetual Calendar

綠色光譜將回收塑膠經分類、清潔與再製後，製成可自由組裝的積木萬年曆。使用者可透過每日重新排列積木，調整月份、日期與星期，不受特定年份限制，能夠長期重複使用。

Greentogo transforms sorted and cleaned recycled plastic into a modular perpetual calendar made of movable building blocks. Users can rearrange the blocks each day to display the month, date, and day of the week. Because it is not tied to a specific year, the calendar can be reused for many years.

品牌介紹

SHARP

台灣夏普

SHARP（台灣夏普）以「可重複更新的數位內容與低功耗電子紙」為循環起點，以靜態近零耗電顯示取代反覆印製、運送及丟棄的短期紙本海報。SHARP以電子紙海報取代需反覆印製與配送的紙本宣傳品。電子紙僅在更新畫面時用電，靜態顯示期間不需持續供電，可重複更換內容並減少紙張、油墨、印刷與物流需求；機身並採用約50%再生材料，從使用階段與產品材料兩端降低環境負擔。

SHARP’s ePoster replaces repeatedly printed and transported paper posters with a reusable electronic-paper display. Power is required only when the image is updated, while static content remains visible without continuous electricity. Repeated digital updates reduce paper, ink, printing and logistics needs. The enclosure also contains approximately 50% recycled material, addressing environmental impact in both use and manufacturing stages.

SHARP ePoster 電子紙海報

SHARP ePoster 電子紙海報，以其突破性的零耗電靜態顯示技術、源自工廠的精良品質，以及高達 50% 再生材質的環保機身，顯示了夏普在環保顯示技術上的深厚研發實力，更彰顯了落實 ESG 永續理念的長期承諾。

SHARP ePoster features breakthrough zero-power static display technology, premium manufacturing quality, and a housing made with up to 50% recycled materials. It showcases SHARP's expertise in sustainable display innovation while reflecting the company's long-term commitment to ESG principles and environmentally responsible product development.

品牌介紹

US3C 優勢科技
Advantage Technology Co., Ltd

US3C 以二手3C收購、檢測、整新及再流通服務，延長3C電子產品壽命，避免閒置設備因老化而失去再利用價值。獨家開發多品項（手機、平板、筆電等品項）的 iMCheck 檢測估價軟體，讓民眾在家就可以輕鬆檢測及初步估價，並提供多元通路管道、AI自助回收機台、實體門市回收方式作為選擇，降低回收門檻，讓閒置3C的循環從日常生活開始發生。也讓舊設備重新進入市場循環，減少電子廢棄物與新品製造需求。

US3C extends the lifespan of electronic devices through the collection, inspection, refurbishment, and resale of pre-owned smartphones, tablets, laptops, and other consumer electronics. Its proprietary **iMCheck** software enables users to test and receive a preliminary value estimate for multiple device types from home. To make recycling more accessible, US3C offers multiple collection channels, including AI-powered self-service recycling kiosks and physical retail stores. By lowering the barriers to recycling, the company encourages the everyday circulation of idle electronics, giving used devices a second life, reducing electronic waste, and decreasing the demand for manufacturing new products.

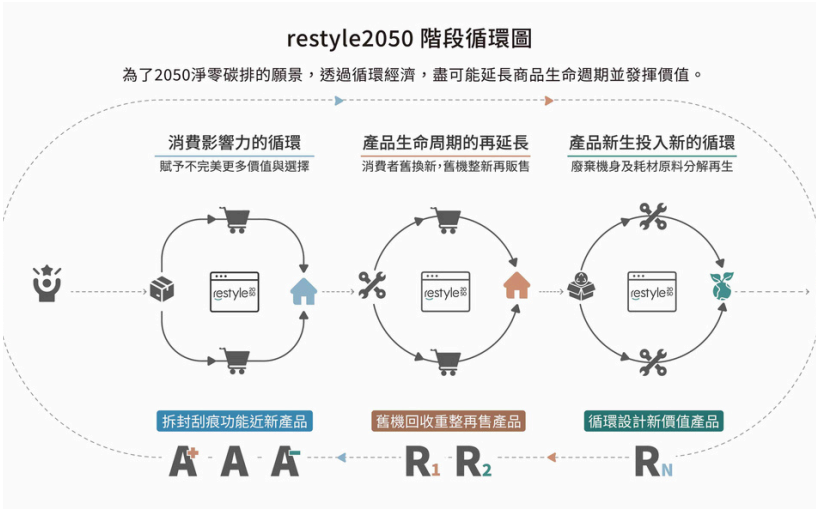
US3C AI 智能回收機
US3C AI-powered kiosk

US3C AI智能回收機提供舊手機與平板的自助回收服務。使用者依照螢幕指示操作，系統透過AI辨識設備型號、外觀與使用狀況，完成檢測與估價，簡化傳統人工回收流程。回收設備將依狀態進入整新再流通、零件再利用或材料回收，使閒置3C產品及早回到循環體系，延長電子產品與零組件的價值。

The US3C AI-powered kiosk provides a self-service collection option for used smartphones and tablets. Following on-screen instructions, users can have their devices identified, inspected and valued through an AI-assisted process. Collected electronics are then directed to refurbishment and resale, component reuse or material recovery according to their condition, returning idle devices to circulation before they lose their usable value.

品牌介紹

restyle2050



恆隆行 restyle2050以「二手 Dyson 主機與可再利用零組件」為循環起點，以徵件挑戰鼓勵檢修、配件媒合及創意再利用，將汰換思維轉向修復與延壽。此模式不只處理末端廢棄物，更從材料選擇、製程設計、使用方式與後續再利用重新思考價值鏈，降低原生資源投入、廢棄處理與不必要的碳排放。透過Dyson Challenge 二手主機再生提案，讓觀眾看見材料如何從剩餘物或閒置資源轉化為具機能、美感或教育價值的新應用；同時串聯生產者、設計者與使用者，建立可被理解、參與並逐步擴散的循環路徑，讓永續從單一產品延伸為可持續運作的系統。

restyle2050 is built around the principles of re-think, re-use and re-design. Components and materials from discarded household appliances are creatively transformed into objects with renewed functions and aesthetic value, extending resource life and reducing disposal impacts. Through designer collaborations and hands-on workshops, the platform expands appliance recovery beyond end-of-life treatment into public participation and circular-economy education.

二手 Dyson 主機 Pre-owned Dyson Main Unit

本次展出Dyson Challenge 二手主機再生提案，並以實體、材料樣本或互動方式呈現「二手 Dyson 主機與可再利用零組件」如何經由以徵件挑戰鼓勵檢修、配件媒合及創意再利用，將汰換思維轉向修復與延壽。觀眾可從原料、轉化方法到成品，理解減廢、替代原生資源與延長生命週期的關係，也能看見恆隆行 restyle2050 如何把循環理念落實為可使用、可體驗或可推廣的具體成果。

The restyle2050 Regenerative Design Project presents creative objects made by dismantling, rethinking and redesigning discarded appliance components, alongside its circular-design workshops and educational initiatives.

申請表

循環知識庫

Circular Knowledge Library

知識連結行動，
讓永續成為未來的日常。

以「圖書館」為核心概念，
整合材料、藝術、科學與教育等多元內容，打造跨領域的循環經濟知識平台。
透過展示、互動與學習，開啟更多想像，一起探索資源循環的無限可能。

- **閱讀** Reading
- **探索** Exploration
- **連結** Connection
- **行動** Action

Knowledge Connects. Action Creates Change.

從材料到設計，從科學到教育，
每一份知識都是改變的起點。
在這裡，我們分享、學習與共創，
為下一代留下更好的未來。

資源循環 Resource Circulation

永續材料 Sustainable Materials

知識共享 Knowledge Sharing

跨域合作 Cross-sector Collaboration

全球視覺 Global Perspective

拾石工藝
Jestone Craftart

拾石工藝設計

拾石工藝專注於循環材料的美學轉化，以臺灣水庫淤泥、環保石粉及永續農業剩料為創作素材，透過材質實驗與當代設計，將原本面臨去化問題的剩餘資源，轉化為具有土地溫度的生活藝術物件。
本次以「大地與植物的重逢」為主題，將水庫淤泥或低碳環保石粉，結合臺灣在地檳榔炭，發展微型雕塑、立體掛畫及生活器物。品牌不只呈現材料再生，更透過造型、紋理與文化意象，讓環境廢棄物重新進入現代生活空間，展現循環材料兼具實用性與美感的可能。

Stone Upcycling Craft transforms overlooked materials into contemporary art and lifestyle objects. Working with reservoir sediment, low-carbon mineral powder, and agricultural residues from Taiwan, the brand combines material experimentation with modern design to give discarded resources renewed value and a distinctive sense of place.
Under the theme “The Reunion of Earth and Plant,” the collection blends reservoir sediment or eco-friendly stone powder with locally produced areca-palm biochar. These materials are shaped into miniature sculptures, dimensional wall art, and everyday objects. Beyond material recovery, the brand uses form, texture, and cultural symbolism to bring circular materials into contemporary spaces with both function and aesthetic appeal.

ZAIBAO 小財包

是一款為現代商務與專業空間設計的極簡幾何微型雕塑。造型融合東方傳統「元寶」與「雙手歡呼」的意象，象徵富足、喜悅與祝福。
作品分別將檳榔炭與低碳環保石粉或臺灣水庫淤泥揉合，呈現如石材般溫潤、沉甸的再生工藝質感。掌中尺寸適合放置於辦公桌、櫃臺及居家角落，讓在地剩餘材料化為一件帶有文化寓意的當代生活雕塑。

ZAIBAO is a minimalist, palm-sized geometric sculpture designed for contemporary business and professional spaces. Its form combines the traditional Chinese gold ingot with the image of two hands raised in celebration, symbolising prosperity, joy, and good fortune. The work blends areca-palm biochar with either low-carbon eco-friendly stone powder or reservoir sediment from Taiwan, creating a warm, weighty, stone-like texture. Designed for desks, counters, and small interior spaces, ZAIBAO transforms locally recovered materials into a contemporary object carrying cultural meaning.

品牌介紹

樂蒂文創
LEDI Creative Studio

讓文化永續，讓設計循環
循環材料是我們的基石，文化與價值的傳承則是我們的靈魂。樂蒂文創LEDI Creative Studio 透過循環材料、數位製造與創新設計，將地方文化、信仰故事與生活美學，淬鍊為兼具環境效益與文化價值的永續產品。
我們將蛋殼、蚵殼、生物炭、香灰等再生材料注入新生命，結合地方文化與療癒等主題，讓每件作品都成為資源循環與文化傳承的實踐，並用設計串連人與土地，共創永續的未來。

Circular materials form our foundation, while the continuity of culture and shared values lies at the heart of everything we do. By integrating circular materials, digital fabrication, and innovative design, LEDI Creative Studio transforms local heritage, spiritual traditions, and everyday aesthetics into sustainable products that carry both environmental and cultural value.
We give new life to materials such as eggshells, oyster shells, biochar, and incense ash, combining them with themes of local culture and well-being. Each creation embodies both resource circularity and cultural continuity. Through design, we reconnect people with the land and work together toward a more sustainable future.

冥想貓
The Meditation Cat Stone

冥想貓每日冥想石，以飛灰水泥手工製作，可滴入精油擴香、搭配線香靜坐，也能握在手中感受質地，幫助安定情緒。放在書桌或床邊，提醒自己每天留一點時間回到呼吸、回到當下，感受貓咪自在放鬆的姿態，也感受循環再生材料重生與歸來的美好寓意。

The Meditation Cat Stone is handcrafted from fly-ash cement. Add essential oils for aroma diffusion, pair it with incense during meditation, or hold it to feel its texture and calm the mind. Placed on a desk or bedside table, it serves as a daily reminder to return to your breath and the present moment. Its relaxed feline form and recycled material symbolize renewal and a peaceful return to oneself.

品牌介紹

台灣大地原色
Taiwan Primary Colors

台灣大地原色由藝術家洪晧倫所創辦，以「用藝術救生態」為理念，藝術家自製本地天然顏料完成作品。品牌工作室則持續探索土地資源循環與永續創作的可能，透過友善採集台灣天然礦岩、泥土、植物及農廢、建築廢材等素材，轉化為友善環境的天然顏料及藝術生活應用。
本次展出「強勢外來種銀合歡、農廢、建廢及各種台灣天然材料的多元循環應用範例」，將自然資源與生態管理剩餘資源轉化為藝術媒材：色粉、顏料、造紙、天然染色、樹皮布工藝、文創品及繪畫藝術創作，展現自然、土地、藝術、循環經濟於日常生活的深度連結。

Founded by artist Hung Hao-lun, ‘Taiwan Primary Colors’ upholds the philosophy of "using art to save the environment," creating works with locally sourced natural pigments to practice "Using local materials to painting local theme" and environmental sustainability. The studio continuously explores land resource recycling, collecting Taiwanese mineral mud, plants, agricultural waste, and construction waste, transforming them into environmentally friendly pigments and everyday applications.
This exhibition, "A Diverse Cyclic Example of Introduced Leucaena leucocephala, Agricultural Waste, Construction Waste, and Local Natural Pigments," transforms surplus resources from ecological management into pigments, handmade paper, plant dyes, bark fabrics, and artistic creations, showcasing the deep connection between land, art, and the circular economy in daily life.

永續循環顏料藝術
Sustainable Circular Pigment Art

展場聚焦常會被大量移除的「銀合歡、構樹」的循環應用轉為創作材料與生活應用資源，及「天然礦岩、泥土、植物、農廢與建築剩料」透過採集、研磨、萃取並調製成環境友善顏料。
最終保留下來的不只是材料，也包括自然科普、製造技藝、歷史傳承、在地脈絡與可供沿用的經驗。

The exhibition focuses on the recycling of materials often removed from production, such as Leucaena leucocephala and paper mulberry, into creative and everyday resources. It also showcases how natural minerals, soil, plants, agricultural waste, and construction residues are collected, ground, extracted, and formulated into environmentally friendly pigments.
Ultimately, what is preserved is not just the materials, but also natural science, manufacturing techniques, historical heritage, local context, and reusable experiences.

品牌介紹

TAIWAN DYE
SINCE 2021

TAIWAN DYE

TAIWAN DYE 是來自屏東的天然染色品牌，團隊以在地檳榔子為天然染材，經過收集、乾燥、取籽、萃色、煮染與晾曬等工序，研發出粉藕、奶茶、赭紅及大地褐色等，並應用於服飾、布包、生活用品及染色體驗。
品牌也與在地高齡農民合作收購果實，重新連結農村產業、地方記憶與設計創新，讓逐漸式微的檳榔產業發展出不同於食用的新價值。TAIWAN DYE 希望以「Taiwan Brown」建立具有臺灣土地特色的代表性色彩，讓天然染不只是工藝，也成為地方創生、文化傳承與永續生活的實踐。

TAIWAN DYE is a natural-dyeing brand based in Pingtung, Taiwan. The team uses locally sourced areca nuts as a natural dye material, transforming them through a series of processes—including collection, drying, seed extraction, colour extraction, boiling, dyeing, and air-drying—into shades such as dusty pink, milk-tea beige, reddish ochre, and earthy brown. These colours are applied to clothing, fabric bags, lifestyle products, and hands-on natural-dyeing experiences.
The brand also purchases fruit from elderly local farmers, reconnecting rural livelihoods and local memories with contemporary design. This approach creates new value for Taiwan’s declining areca industry beyond its traditional use as a consumable crop. Through the concept of “Taiwan Brown,” TAIWAN DYE seeks to establish a signature colour rooted in the Taiwanese landscape, turning natural dyeing into a practice of rural regeneration, cultural continuity, and sustainable living.

檳榔子染材料包
Areca Nut Natural Dye Kit

結合在地農業副產物與環境教育，將撿拾的檳榔落果轉化為天然染料。材料包內含預處理的檳榔子染材、布料或紙材、橡皮筋、繩材、簡易操作工具、安全說明卡、教師教案摘要及延伸學習問題。整套設計以「一包完成一堂植物染課」為概念，讓學校、社區與一般教學場域即使無法走進檳榔園，也能在室內體驗天然染色。

he Areca Nut Natural Dye Kit transforms locally collected fallen areca nuts—an agricultural by-product—into a hands-on tool for environmental education. The kit includes pre-treated natural dye material, fabric or paper, rubber bands, string, basic tools, safety instructions, a brief teaching guide, and questions for extended learning. Designed around the idea of “one kit, one complete plant-dyeing lesson,” it enables schools, community groups, and educators to recreate the experience indoors without visiting an areca plantation.

品牌介紹

峻揚紙業
峻揚紙業
Jinn Yang Paper

峻揚紙業致力推動廢棄資源高值化再利用，展出循環再生紙材「滌煩紙」與「醇萃紙」。其中，「滌煩紙」以FSC認證紙材及回收牛奶盒紙纖維為基材，加入茶葉揉製過程產生的茶渣廢料；茶渣並非直接製成紙漿，而是作為再生紙材的添加原料。每批約800公斤的原料可再利用約49公斤回收茶渣，減少廢棄物處理負擔，展現循環製造與永續紙材的創新應用。

Jun Yang Paper is committed to the high-value reuse of waste resources, presenting two circular recycled paper products: Di Fan Paper and Chun Cui Paper. Di Fan Paper is made from FSC-certified paper materials and recycled fibers recovered from milk cartons, with tea residues generated during the tea-rolling process added as a supplementary material. Rather than being directly pulped into paper, the tea residue is incorporated into the recycled paper mixture. Each batch of approximately 800 kg of raw materials reuses about 49 kg of recovered tea residue, reducing the burden of waste treatment while demonstrating innovative applications in circular manufacturing and sustainable paper production.

香粉紙
Upcycled Incense-Stick Paper

香粉紙回收傳統製香過程中未能製成線香的天然中藥香粉，研磨後揉入FSC永續森林認證紙漿，使製香剩料轉化為具有文化質感的紙材。紙面呈古樸米色，散布茶褐色細微顆粒，觸感溫潤細緻；在延續材料價值的同時，也將台灣香火文化所承載的祈福與安定意涵，融入可書寫、印刷及設計應用的紙張之中。

Incense Powder Paper recovers natural herbal powder left over from traditional incense production. The finely ground material is blended with FSC-certified pulp to create a warm beige paper with subtle brown particles and a soft, tactile finish. Suitable for writing, printing and creative applications, the paper gives incense-making residue a new purpose while carrying forward the cultural meanings of blessing, reverence and inner peace associated with Taiwan’s temple traditions.

品牌介紹

漾文創
YANG CREATIVE CO., LTD.

漾文創有限公司以廢棄電子電路板回收再利用為核心，透過提煉貴金屬、循環再製及在地生產，降低天然礦產開採需求與運輸碳排放，並採用環保包裝與循環設計，延長資源使用壽命。此模式有效減少電子廢棄物與環境污染，提升資源回收率，降低產品生命週期的碳足跡，落實循環經濟，將城市廢棄物轉化為高價值珠寶，兼顧環境永續與產業創新。

YOUNG Cultural & Creative Co., Ltd. focuses on recovering and repurposing discarded electronic circuit boards. Through precious-metal extraction, circular remanufacturing, and local production, the company transforms urban electronic waste into jewellery with both aesthetic and collectible value. This approach reduces reliance on virgin mineral extraction while lowering the carbon emissions associated with transporting raw materials.
From material recovery to product design, the team incorporates eco-friendly packaging and circular-design principles to extend the useful life of resources and products while increasing the value of recovered electronic waste. By integrating craftsmanship, design, and recycling technologies, the company brings discarded electronic materials back into everyday life, advancing both environmental sustainability and industrial innovation.

再生貴金屬循環飾品
Circular Precious Metal Jewelry

青珠寶將電子產業廢料中回收的貴金屬重新精煉，結合循環木料與金工設計，製作成戒指、項鍊及墜飾等日常珠寶。本次展品以再生金屬飾品為代表，透過切割、塑形、焊接與拋光等工序，使城市礦山中的金屬資源重回生活。

Young Jewelry recovers and refines precious metals from electronic-industry waste, combining them with reclaimed wood and contemporary metalwork to create rings, necklaces, and pendants. Through cutting, forming, soldering, and polishing, valuable resources from the urban mine return to everyday life as refined jewelry.

品牌介紹

影子傳奇劇團

影子傳奇藝劇團長期以臺灣傳統皮影戲為創作媒介，融合光影藝術與環境教育，將永續發展理念轉化為觀眾容易理解、感受與參與的故事。近年創作《海羊》、《鯨魚怎麼了》等作品，並將廢棄偏光片裁切、組裝成皮影角色，結合傳統操偶技法與光學效果，探討海洋保育、塑膠污染及生態永續，引導觀眾重新思考人與自然的關係。

Shadow Legends Theatre has long used traditional Taiwanese shadow puppetry as its primary creative medium, combining light-and-shadow art with environmental education to transform sustainability concepts into stories that audiences can easily understand, experience, and engage with. Recent productions, including Sea Sheep and What Happened to the Whale?, feature shadow-puppet characters cut and assembled from discarded polarizer film. By integrating traditional puppetry with optical effects, these works explore marine conservation, plastic pollution, and ecological sustainability while encouraging audiences to reconsider humanity’s relationship with nature.

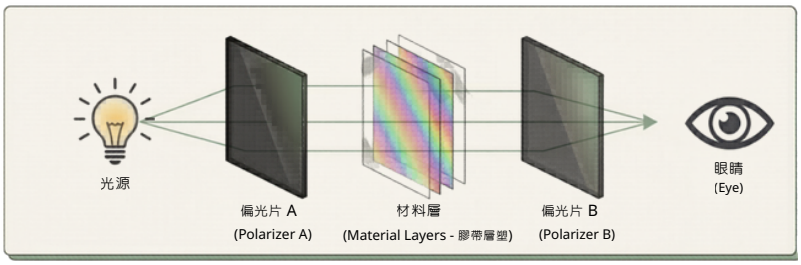
偏光片皮影作品 Polarizer Shadow Art

劇團並運用液晶顯示面板製程產生的偏光片邊角料，裁切、組裝成皮影角色，結合傳統操偶、燈光與偏振原理，使回收材料在舞台上呈現多彩且富有變化的光影效果。

The group also cuts and assembles polarizer scraps from LCD panel manufacturing into shadow-puppet characters. Combined with traditional puppetry, lighting, and polarization, the reclaimed material produces vivid and changing colors on stage.

品牌介紹

淡江大學化學系
鄧金培實驗室



鄧金培實驗室隸屬淡江大學化學系，研究領域涵蓋奈米材料、觸媒化學，以及金屬奈米顆粒的合成、鑑定與催化應用。團隊亦積極推動科學、藝術與永續的跨域合作，將專業知識轉化為易於參與的科普體驗。近年以液晶顯示面板製程產生的偏光片邊角料為創作媒材，運用偏振、雙折射及材料層疊等光學現象，在完全不使用顏料的情況下創造繽紛色彩。透過實驗與創作，讓工業剩料轉化為藝術媒材及教學工具，引導大眾理解光與色彩的科學原理，同時探索科技材料循環再利用的可能性。

Professor King-Chuen Lin’s Laboratory is part of the Department of Chemistry at Tamkang University. Its research covers nanomaterials, catalyst chemistry, and the synthesis, characterization, and catalytic applications of metal nanoparticles. The team also connects science, art, and sustainability by transforming scientific knowledge into accessible hands-on experiences. In recent projects, polarizer scraps from LCD panel manufacturing have been repurposed as a creative medium. Through polarization, birefringence, and layered materials, vivid colors can be produced without using pigments. These experiments turn industrial scraps into materials for art and education, helping participants understand the science of light and color while discovering new possibilities for the circular use of technological materials.

偏光片光影創作

材料來源｜Material Source
來自液晶顯示面板製程中的偏光片邊角料。
Polarizer scraps collected from the manufacturing of LCD panels.

體驗魔法｜The Magic of Light
將偏光片與透明膠帶反覆層疊，在完全不使用顏料的情況下，透過光線折射、偏振與材料厚度的變化，創造出色彩繽紛、會隨觀看角度改變的光影畫作。

By layering polarizer film and transparent tape, participants can create vibrant artwork without using any pigments. Refraction, polarization, and variations in material thickness transform ordinary light into shifting colors that change with the viewing angle.

德泛企業股份有限公司
SJ Group 簡單集團

德泛企業股份有限公司
DIVERTIMENTO INC.

德泛企業呈現「從搖籃到搖籃」的再生履歷，建構封閉與開放雙循環系統。透過破碎與造粒技術克服回收料脆化等物性限制，將廢鞋材與D-0299事業廢塑膠轉化為二次料。
核心環境與減碳效益在於：首先，取代原生石化原料，大幅降低間接碳排，並免除廢棄物焚化掩埋產生的溫室氣體，實踐零廢棄。其次，將低階廢棄物高值化（Upcycling）應用於耐用品中，最高達成100%資源替代率。此舉有效延長材料生命週期並達成長期碳固化，在不犧牲產品機能的前提下，提供兼顧商業現實的務實減碳解方。

DIVERTIMENTO INC. showcases a "cradle-to-cradle" regeneration lifecycle with closed and open-loop circular systems. Using advanced shredding and granulation to overcome material brittleness, it transforms discarded footwear and D-0299 industrial waste plastics into secondary raw materials.
By replacing virgin petrochemicals, it significantly lowers indirect carbon emissions and eliminates greenhouse gases from waste incineration, achieving zero waste. Furthermore, upcycling low-grade waste into durable goods achieves up to a 100% resource substitution rate. This extends material lifecycles and enables long-term carbon fixation, offering a practical, commercially viable carbon reduction solution without sacrificing performance.

環保刮泥地毯

具備優異抓地力與耐磨性，底料成功添加 20% D-0299 廢塑膠，完美平衡「性能與環保」。在不犧牲止滑與耐用等物理要求下，將廢塑膠長期鎖定於耐用品底層，有效延長材料生命週期並達成長期碳固化。它為 B2B 客戶提供了「無痛減碳」的採購選擇，既滿足 ESG 永續指標，又確保產品機能不打折，是兼顧商業現實的務實綠色轉型解方。

The Eco-friendly Scraper Mat combines outstanding traction and durability by incorporating 20% D-0299 waste plastics into its backing. By locking waste into a highly durable product without compromising slip resistance, it effectively extends material lifecycles and achieves long-term carbon fixation. Offering B2B clients a "painless carbon reduction" option, it meets ESG metrics and maintains functionality, delivering a practical green transition solution.

品牌介紹

蘇花工鹿
su_hua_gung_lu

蘇花工鹿以自然素材與在地生活經驗為創作起點，收集檜木剩料、芭樂樹修剪枝幹等原本可能被丟棄的材料，保留木材天然的彎曲姿態、節點與紋理，透過清潔、打磨及手工組構，轉化為苔球植栽與生活工藝。創作不刻意追求一致規格，而是依循每段枝幹的形貌發展設計，讓農業修枝及剩餘木料延續新的用途。植物也會隨時間生長變化，使作品不只是靜態擺設，更成為需要持續照護、記錄季節與生命變化的微型自然景觀。

Su_hua_gung_lu creates with natural materials and inspiration drawn from local life. Cypress offcuts and pruned guava branches are collected, cleaned, polished, and handcrafted into kokedama displays and functional objects. Instead of forcing each piece into a standard form, the design follows the wood’s natural curves, knots, and textures. This approach gives agricultural trimmings and leftover timber a renewed purpose. As the plants continue to grow and change, each work becomes more than a decorative object—it is a living miniature landscape shaped by care, time, and the changing seasons.

檜木與芭樂枝幹苔球植栽

作品結合檜木與芭樂樹修剪後的枝幹，保留木材原有的彎曲姿態、節點與自然紋理，經整理與組構後，轉化為承載苔球及植物的造型立架。兩種不同質地的木材相互搭配，讓農業修枝與剩餘木料延續使用價值，也使植物在枝幹間持續生長，呈現自然材料再利用與生命循環共存的微型景觀。

This piece combines cypress wood with pruned guava branches, preserving their natural curves, knots, and textures. After careful cleaning and assembly, the wood is transformed into a sculptural stand for kokedama and living plants. By giving agricultural trimmings and leftover timber a new purpose, the work creates a miniature landscape where reclaimed natural materials and plant life continue to grow together.

品牌介紹

MUMUXI

木木夕工作室
Mumuxi studio

木木夕工作室以「逐逐日的海玻璃」為展出主題，透過淨灘蒐集海玻璃，將原本散落海岸的廢棄玻璃清洗、分類與設計，再製成飾品、吊飾及生活小物，延續材料生命週期。作品以回收海玻璃取代部分新材料，減少資源消耗與海灘廢棄物，結合工藝創作與環境保育，傳遞循環設計、永續生活及珍惜海洋資源的理念。

Mumuxi Studio presents “Sea Glass, Day by Day,” collecting sea glass through beach cleanups and transforming discarded glass found along the coast into jewelry, ornaments, and everyday objects through cleaning, sorting, and design. By replacing some virgin materials with recycled sea glass, the studio extends material life cycles, reduces resource consumption and coastal waste, and combines craftsmanship with environmental conservation. The works convey the values of circular design, sustainable living, and respect for marine resources.

海玻璃魚
Sea Glass Fish Keychain

每年夏天
馬祖漁民開始結繩編網
出海將竹樁深深打入海床
讓漁網能固定在海中
順著海流攔截蝦皮、各式魚鮮
這項漁業活動
在閩東語裡叫拍楸

今年
透過拍楸捕獲的魚鮮裡
出現稀有的海玻璃魚
每一尾都獨一無二、晶瑩可愛

海玻璃魚加工方式如同馬祖頂級蝦皮
不另加鹽，僅以陽光曝曬
由於長期生活在海中，本身帶有淡淡鹹味
可作為吊飾鑰匙圈使用

Handcrafted from sea glass collected on Matsu's shores, each unique fish-shaped keychain gives discarded marine glass a beautiful second life.

品牌介紹

ReLOOP

ReLoop以「循環經濟」與「資源再利用」為核心理念，透過校園二手物品交換與交易平台，延長物品使用壽命，降低資源浪費，減少因購買新品所產生的碳排放與環境負擔。鼓勵學生將閒置的教科書、生活用品及宿舍設備重新流通，減少可用物品遭到丟棄，同時降低新產品生產所需的原物料、能源消耗及製造碳排放。透過校內資源共享，也能培養學生珍惜資源與永續消費的觀念。此外，ReLoop採用「校內面交」模式，鼓勵買賣雙方於校園內完成交易，減少包裝材料使用及物流運輸需求，降低運輸過程所產生的碳排放，並提升交易效率與便利性。

ReLoop is a campus-based platform for exchanging and trading second-hand goods, built around the principles of the circular economy and resource reuse. It encourages students to recirculate unused textbooks, everyday items, and dormitory supplies, extending product lifespans and preventing usable goods from being discarded. By promoting resource sharing within the campus community, ReLoop reduces demand for new products and the associated consumption of raw materials, energy, and manufacturing emissions. Its on-campus, face-to-face transaction model also minimises packaging and delivery requirements, reducing transport-related carbon emissions while making exchanges more convenient and efficient. Through everyday participation, ReLoop helps students develop more resource-conscious and sustainable consumption habits.

校園二手交換平台

「ReLoop 校園二手交換平台」是本次的代表成果，主要運用「校園閒置教科書、生活用品與宿舍設備」，以身分驗證、分類搜尋、媒合、交換與校內面交延長物品壽命並減少包裝物流。

The representative outcome is the ReLoop campus second-hand exchange platform. In the presentation by ReLoop, its everyday scale tests whether recycled origin has become a reliable function that people will continue to use.

品牌介紹

互動體驗區

Interactive Experience Zone

從生活參與開始，
讓循環成為一種日常選擇。

透過五感互動、遊戲體驗與故事分享，
在玩樂與探索中，
理解資源如何被珍惜與再生，
並發現每一個行動，都能帶來改變。

體驗 *Experience*　品味 *Taste*　實踐 *Practice*　連結 *Connect*　改變 *Change*

氣候收據體驗 *Climate Receipt*

畫下行動、寫下宣言、貼上分享，
讓每一個行動被看見、被分享。

山林香氣體驗 *Natural Scent*

愛受山林植物香氣，體驗自然資源可觀的循環價值。

減塑生活提案 *Plastic Reduction*

無包裝選物與減塑工具，實踐簡單而有意義的日常改變。

AI循環調飲 *AI Circular Bar*

智慧調飲×循環杯
每一杯都是永續的選擇。

循環互動遊戲 *Circular Game*

趣味配對與知識挑戰，認識資源再生的旅程。

氣候收據體驗 *Climate Receipt*

讓每一個行動被看見、被分享。

From Action to Impact.

大石曉規 Aknori Oishi

《超越人 Chāo Yuè Rén 》由賴懿容創作、大石曉規（Akinori Oishi）繪製，以充滿笑容的「Aki Smile」角色帶領讀者展開一段跨越地球與宇宙的旅程。故事從農地、海洋、萬物連結到AI世界，引導孩子思考人類與自然之間的關係，並認識日常選擇對環境帶來的影響。書中結合想像力、循環經濟與氣候行動，鼓勵每個人從自己的微小選擇開始，把想法化為行動，成為願意超越限制、與地球共同前進的「超越人」。

Chāo Yuè Rén is written by Jenny Lai and illustrated by Akinori Oishi. Led by the cheerful “Aki Smile” characters, readers embark on a journey across Earth and beyond. Travelling through farmland, oceans, the interconnected natural world and an AI-driven future, the story invites children to reflect on humanity’s relationship with nature and understand how everyday choices affect the environment. Combining imagination, circular economy concepts and climate action, the book encourages everyone to begin with small personal choices, turn ideas into action and become a “Beyond Human” — someone willing to move beyond limitations and move forward together with the Earth.

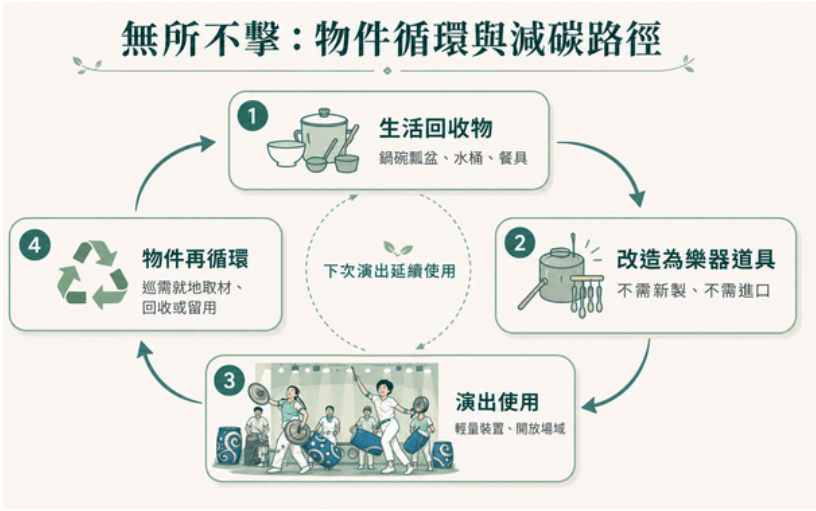
氣候收據

日本藝術家大石曉規以充滿笑容的角色「Aki Smile」聞名，透過簡潔線條與溫暖幽默，傳遞人與人、人與環境之間的連結。本次與「氣候收據 Climate Receipt」跨界合作，將日常減碳行動轉化為親切活潑的視覺圖像。

Japanese artist Akinori Oishi is known for his cheerful “Aki Smile” characters. Through simple lines and warm humour, his work expresses the connections between people and the environment. In this collaboration with Climate Receipt, everyday low-carbon actions are transformed into friendly and engaging illustrations.

官網介紹

身聲劇場
SUN SON THEATRE



1.物料零新製、減少碳足跡：演出道具與「樂器」取自二手或日常回收物品。
2.舞台輕量化、場域開放：演出常採用簡單裝置即可進行的形式，不依賴大型聲光、機械舞台設備，降低能源消耗。
3.延續物件生命週期、減少廢棄：將原本可能被丟棄的容器、餐具轉化為藝術媒介，賦予二次使用價值，呼應循環經濟與減廢理念。
4.教育推廣效益：透過演出讓觀眾（尤其親子觀眾）直接體驗「生活廢棄物再利用」的創意可能性，具有環境教育的社會擴散效果。

The performance adopts a low-carbon approach by using second-hand and recycled everyday objects as props and musical instruments, eliminating the need for newly manufactured materials. Lightweight stage design and minimal technical equipment reduce energy consumption and carbon emissions. Discarded containers and tableware are transformed into creative performance tools, extending product life and reducing waste. Through engaging performances, especially for families and children, audiences discover the creative potential of reusing everyday waste, promoting environmental awareness and circular economy values.

無所不擊
AnyBeat

此系列為身聲推出的綠色生活擊樂品牌，身聲一群熱愛敲敲打打、對節奏總是不安份的創意信徒，無論是鍋碗瓢盆還是日常用品，一到手就能變成樂器！透過回收生活中的物件、隨手可得的現代素材，加以運用及改造，創造出更貼近自然樂活、好聽好玩的輕快節奏，創意擊樂結合現場互動，從一歲到一百歲皆適合觀賞同樂的節目，一次體驗「演出、互動、導覽教學」的跨界音樂饗宴！

Green Rhythm is Sheng Sheng's eco-percussion series, transforming recycled household items and everyday objects into fun musical instruments. Pots, bowls, utensils, and reused materials come alive through rhythm, creativity, and audience interaction. Designed for all ages, the performance combines music, hands-on participation, and educational demonstrations, inspiring people to discover the joy of reuse and experience how everyday objects can become sustainable works of art.

品牌介紹

齊創演藝娛樂/水管阿民
TOGETHERTHRIUE PRODUCTIONS

水管阿民不把「水管、金屬零件與回收物件」當成單一廢棄物流，而是運用組裝、調音與反覆使用，將廢棄材料轉為可演奏且可教育的樂器。從收集到製成「水管打擊樂器」，每一步都對應水管、金屬零件與回收物件的特性與限制；材料被使用多久、是否容易維護，也被納入成果評估。就水管阿民而言，使用者的回饋會再回到設計端，成為調整規格與維修方式的依據，讓循環不是結案後便停止的單次專案。「水管打擊樂器」也讓材料來源、轉換技術與使用責任能在同一個敘事中被查驗。

The circular route developed by 水管阿民 starts with pipes, metal parts and recovered everyday objects and assembles, tunes and repeatedly uses them as playable instruments and educational tools. For 水管阿民, every stage leading to the featured exhibit responds to a property or limit of the selected material stream. For 水管阿民, time in use and ease of maintenance are considered alongside the transformation itself. For 水管阿民, user feedback returns to design decisions on specifications and maintenance, preventing the loop from ending when a single project closes.

水管打擊互動秀
PVC Pipe Percussion Interactive Show

水管阿民以工業塑膠水管、室內拖鞋等日常物件創作獨特打擊樂器，透過節奏、創意與現場互動，顛覆大眾對音樂演出的想像。每件平凡素材都能化為充滿生命力的樂器，每場演出皆結合即興創作與觀眾參與，打造無法複製的音樂體驗，展現資源再利用與街頭藝術的魅力，讓大小朋友都能感受創意、歡樂與永續精神。

Street performer A-Min Wei transforms PVC pipes and everyday items such as slippers into unique percussion instruments. Blending rhythm, creativity, and audience interaction, every performance is a one-of-a-kind musical experience. By turning ordinary materials into expressive instruments, the show celebrates reuse, street art, and the joy of making music, inspiring audiences of all ages to discover the creative potential of everyday objects.

品牌介紹

凱歐斯科技股份有限公司
CHAOZ Technologies

在CHAOZ（凱歐斯科技）的系統裡，「飲品原料、配方數據與可重複使用容器」經由採用 AI、IoT、自動定量與雲端管理減少備料誤差和包裝耗用。這項實踐不是單向消耗飲品原料、配方數據與可重複使用容器，而是以「CHAOZ 智能調飲機」測試新的使用關係；若需求、耐用度與回收條件成立，材料才真正進入下一輪。這種以材料證據支撐設計的方式，讓互動體驗區不只是陳列區，也成為檢視循環可行性的現場。「CHAOZ 智能調飲機」也讓材料來源、轉換技術與使用責任能在同一個敘事中被查驗。

The circular route developed by CHAOZ（凱歐斯科技） starts with beverage ingredients, recipe data and reusable vessels and uses AI, IoT, precise dispensing and cloud management to reduce ingredient loss and packaging. The practice does not simply consume the selected material stream in another form. the featured exhibit tests a new use relationship, and the next loop depends on demand, durability and recovery conditions. Evidence-led design turns the Interactive zone into a place for testing circular feasibility, not simply displaying outcomes.

凱歐斯調飲機

核心作品為「CHAOZ 智能調飲機」，主要運用「飲品原料、配方數據與可重複使用容器」，以 AI、IoT、自動定量與雲端管理減少備料誤差和包裝耗用。CHAOZ（凱歐斯科技）的呈現中特別強調：作品不以多品項分散焦點，而是讓一件成果完整說明材料如何進入下一段生命週期。

The CHAOZ smart beverage machine is the central work. In the presentation by CHAOZ（凱歐斯科技）, rather than dispersing attention across many items, one outcome explains how the material enters its next life cycle. For CHAOZ（凱歐斯科技）, for this exhibit, circular value depends on whether the selected input becomes a durable, understandable outcome with a defined destination.

品牌介紹

華生飲水
HWASENG BOTTLED WATER

華生水資源生技股份有限公司
HWA SENG BOTTLED WATER CORP.

華生飲水自1959年成立，推動「只賣水，不賣瓶子」的循環經濟模式。在減碳作法上，全面採用可重複充填的玻璃瓶與桶裝水取代一次性寶特瓶，並透過自建的D2C（直送消費者）正逆物流車隊，實現高達95%以上的容器回收率。在環境效益方面，每少用一支600ml寶特瓶，即可減碳100公克並減塑18公克。以台北文華東方酒店的合作為例，每年成功減少24萬支寶特瓶，等同減塑4,320公斤、減碳24,000公斤。華生成功從源頭減量垃圾，積極落實ESG與淨零碳排願景。

Founded in 1959, Hwaseng Water champions a "delivering water, no bottling" circular economy. For carbon reduction, we replace single-use PET bottles with reusable glass ones and utilize our Direct-to-Consumer reverse logistics to achieve a 95%+ container recovery rate. Regarding environmental benefits, replacing one 600ml PET bottle cuts 100g of CO2 emissions and 18g of plastic. Partnering with Mandarin Oriental Taipei, we eliminate 240,000 PET bottles annually, saving 4,320 kg of plastic and 24,000 kg of carbon emissions. Hwaseng actively cuts waste at the source to reach ESG net-zero goals.

循環玻璃瓶裝水
Refillable Glass Bottled Water

華生飲水推出450cc「循環玻璃瓶裝水」，為您提供口感清涼甘甜的低礦物質純淨水。本產品通過ISO 22000 與 HACCP 國際級食品安全管理認證，並通過嚴格的重金屬與生菌檢驗，確保品質安全無虞。
這款綠色商品不僅是五星級奢華飯店的首選，更是您實踐減碳、減塑、無罪惡感低碳生活的最佳飲水解方。

Hwaseng's 450cc Refillable Glass Bottled Water offers crisp, refreshing, and low-mineral purified water. Certified by ISO 22000 and HACCP, it passes strict heavy metal and microbial tests ensuring top safety. As the premier choice for 5-star luxury hotels, this eco-friendly product is your ultimate zero-guilt hydration solution for a low-carbon lifestyle, actively reducing carbon and plastic waste.

品牌介紹

MY HONG TE
奉茶行動

原點社會企業股份有限公司
CircuPlus Ltd.

奉茶行動以「飲水地圖」串聯全台飲水站，結合奉茶行動 App 推廣自備水瓶取水，從源頭減少一次性塑膠瓶的生產、運輸與廢棄，降低塑膠垃圾及碳排放。透過公私協力建構便利的補水網絡，將永續飲水融入日常生活與綠色旅遊，鼓勵民眾以重複使用容器取代瓶裝水消費。截至目前已累積減少349萬個塑膠瓶使用，相當於減碳超過523公噸，展現循環使用、源頭減量與全民參與的環境效益，打造兼具減塑、減碳與永續旅遊的循環生活模式。

My Hong-Te builds a nationwide refill network through its Water Refill Map and mobile app, encouraging people to refill reusable bottles instead of purchasing bottled water. This circular model reduces plastic production, transportation, and waste at the source while lowering carbon emissions. Through public-private collaboration, it integrates sustainable hydration into everyday life and green travel. To date, the initiative has prevented the use of over 3.49 million plastic bottles, reducing more than 523 metric tons of CO_2 and promoting a low-carbon, reusable lifestyle.

奉茶地圖・綠遊足跡
My Hong-Te Water Refill Map – Green Travel Footprints

「奉茶地圖・綠遊足跡」結合奉茶行動 App，帶領民眾在旅行中輕鬆尋找鄰近飲水站，自備水瓶即可免費補水，減少瓶裝水與一次性塑膠瓶使用。透過綠色旅遊任務與互動體驗，鼓勵將減塑、減碳融入每一次出遊，讓每一趟補水都成為守護環境的永續足跡。

Explore Taiwan sustainably with My Hong-Te App. The Water Refill Map helps travelers easily locate nearby refill stations, making it simple to refill reusable bottles instead of buying bottled water. Through interactive green travel challenges, every refill becomes a small but meaningful action that reduces plastic waste, lowers carbon emissions, and supports a more sustainable way to travel.

品牌介紹

VEGANWELL
more than well

美科實業股份有限公司
MacroHI Co., Ltd.

使用產業廢棄物（豆渣、茶籽、咖啡渣、茶葉渣）經過三道處理（抑菌、乾燥、研磨）與科研技術重新再製成胺基酸洗碗精，減少環境廢棄物產生與堆積；瓶身取用PCR消費後塑料再生，減少新塑膠開採；壓頭選用全塑泵，不含金屬成分，免拆卸即可整隻回收再利用。

Industrial by-products—including soybean pulp, tea seeds, coffee grounds, and spent tea leaves—are transformed into an amino acid dishwashing liquid through a three-step process of antibacterial treatment, drying, and grinding, combined with advanced material technology. This upcycling approach reduces industrial waste and landfill accumulation while giving agricultural residues a second life. The bottle is made from post-consumer recycled (PCR) plastic, reducing the demand for virgin plastics. It also features a metal-free, all-plastic pump that can be recycled as a single unit without disassembly, improving recycling efficiency and supporting a low-carbon, circular packaging system.

甜橙豆粕／馬告茶籽胺基酸洗碗精
Soybean & Tea Seeds Dishwashing Liquid

以豆渣、茶籽渣、咖啡渣及茶葉渣等生活與食品產業副產物為原料，透過創新技術轉化為高效胺基酸洗碗精，賦予廢棄資源新生命。甜橙豆粕與馬告茶籽系列結合天然植萃潔淨力與溫和配方，有效去除油污，同時減少資源浪費，讓每一次洗滌都成為支持循環經濟、減廢減碳的永續選擇。

Made from upcycled soybean pulp, tea seed residue, coffee grounds, and spent tea leaves, this amino acid dish soap transforms everyday by-products into an effective, plant-based cleaner. Infused with sweet orange or Makauy tea seed extracts, it delivers powerful grease removal with a gentle formula while reducing waste and supporting a circular, low-carbon lifestyle.

品牌介紹

簡塑慢行企業社
Simplastic (Package free shop)

簡塑慢行以「少一份包裝，多一次循環」為核心理念，透過裸買、循環容器、預購生產與全食利用，從源頭減少資源浪費與碳排放。展區以循環容器盛裝點心，取代一次性包裝，推廣自備容器與裸買消費模式；冷壓油品則採循環玻璃瓶回收再利用，搭配預購生產機制，降低過量製造、庫存耗損及包裝廢棄物。榨油後的油品、油泥與油粕皆完整利用，提升原料使用效率、減少食材浪費。透過循環容器、源頭減廢、惜食與在地永續消費，打造兼具減塑、減廢、減碳與零浪費的循環生活模式，讓永續成為日常選擇。

Simplastic – Less Packaging, More Circularity
Simplastic promotes a low-carbon lifestyle through package-free shopping, reusable containers, pre-order production, and full-resource utilization. Snacks are served in reusable containers instead of single-use packaging, encouraging customers to bring their own containers and adopt waste-free shopping habits. Cold-pressed oils are sold in returnable glass bottles that are cleaned and reused, extending packaging life while reducing waste. A pre-order production model prevents overproduction and inventory loss, while every part of the oil extraction process—including the oil, sediment, and oil cake—is fully utilized to maximize resource efficiency and minimize food waste. By integrating circular packaging, source reduction, and sustainable consumption, Simplastic demonstrates a practical circular economy model that reduces plastic use, waste, and carbon emissions in everyday life.

生活盡量簡單
Simple Living for a Circular Future

「生活盡量簡單」實踐少包裝、多循環的永續生活方式，透過自備容器裸買、循環包裝採買及在地低碳商品，減少一次性包裝與資源浪費。店內提供冷壓初榨油品、動物福利雞蛋、鮮奶、蜂蜜、公平貿易咖啡豆、散裝茶、香料、在地小農蔬果、果乾、餅乾點心、清潔洗沐用品及各樣環保選物等友善商品，鼓勵消費者從日常採購開始，落實源頭減廢、低碳消費與支持友善生產，攜手打造兼顧人、土地與萬物的永續生活。

"Simple Living" promotes a low-waste lifestyle through package-free shopping, reusable containers, refill and return packaging, and locally sourced low-carbon products. The store offers eco-friendly essentials, including cold-pressed oils, free-range eggs, milk, honey, fair-trade coffee, loose-leaf tea, spices, fresh produce, dried fruits, snacks, cleaning products, and sustainable daily goods, encouraging waste reduction, low-carbon consumption, and responsible production.

品牌介紹

茱奇里山生活工作室
Jùqí Mountain Life Studio

品牌「鹿寮坑製造」以新竹縣芎林鄉鹿寮坑聚落為基地，經營實體店鋪 「山腳下的寮」打造兼顧循環經濟、生物多樣性保育與地方創生的「柑橘全利用循環系統」。透過格外品利用、副產物再生、在地加工與環境教育，讓一顆柑橘從果園到生活，創造完整循環價值。
位於台灣淺山生態廊道的鹿寮坑，長期面臨農村人口流失與棲地破碎化挑戰。團隊藉由提升柑橘附加價值，支持農民持續耕作，維持農地與森林共存地景，讓農業成為守護生物多樣性的力量。

The brand "Made in lug`liau hang`" is based in the Luliaokeng settlement of Qionglin Township, Hsinchu County, and operates a physical store called "MEOW at the Foot of the Mountain" to create a "Citrus Whole-Utilization Circular System" that integrates circular economy, biodiversity conservation, and local revitalization. Through the utilization of surplus products, by-product recycling, local processing, and environmental education, a single citrus fruit creates complete circular value from the orchard to everyday life.
Located in the ecological corridor of Taiwan's foothills, Luliaokeng has long faced challenges of rural population loss and habitat fragmentation. The team enhances the added value of citrus fruits, supports farmers' sustainable farming, maintains the landscape where farmland and forests coexist, and allows agriculture to become a force for protecting biodiversity.

一棵柑橘，守護一座淺山
One citrus tree, protecting a foothill.

以一顆柑橘的完整利用為理念，開發果醬、飲品、冰淇淋、純露、 果乾等多元產品，將鮮果、格外品轉化為兼具風味與價值的日常選擇。每項產品皆展現柑橘不同特性,延續農作物生命週期,讓消費者在品味天然風味的同時，也認識柑橘從產地到生活的多元應用，體驗兼具地方特色與永續價值的循環產品。

Based on the concept of fully utilizing a citrus tree, we develop diverse products including jams, beverages, ice cream, hydrosols, and dried fruit, transforming fresh fruit and specialty items into everyday choices that combine flavor and value. Each product showcases the unique characteristics of citrus, extending the crop's life cycle. Consumers can enjoy the natural flavors while learning about the diverse applications of citrus from its origin to daily life, experiencing circular products that combine local character with sustainable value.

品牌介紹

益禾豐農業科技股份有限公司
AGRO SUNNY BIOTEC.CO.,LTD

循著「綠香蕉等特色農產與加工資源」的物質特性，純粹食光（益禾豐農業科技）採用農產加工、全食利用與在地供應提升作物價值並減少耗損。其作法保留來源資訊與加工線索，觀眾可從「綠香蕉麵」讀出綠香蕉等特色農產與加工資源如何被挑選、處理及重新定位，而非只看到完成品。此模式的說服力來自具體使用，而非口號；當綠香蕉麵能長久服務，綠香蕉等特色農產與加工資源才真正避開過早淘汰。「綠香蕉麵」也讓材料來源、轉換技術與使用責任能在同一個敘事中被查驗。

The circular route developed by 純粹食光（益禾豐農業科技） starts with green bananas and other locally grown agricultural resources and uses local processing and whole-food approaches to raise crop value and reduce loss. Source information and processing traces remain visible. Through the featured exhibit, visitors can read how the selected material stream was selected, treated and repositioned instead of seeing only a finished object. The model is persuasive through use, not slogans: only continued service by the featured exhibit keeps the selected material stream from premature disposal.

綠香蕉麵・滴鵝精 Green Banana Noodles & Goose Essence

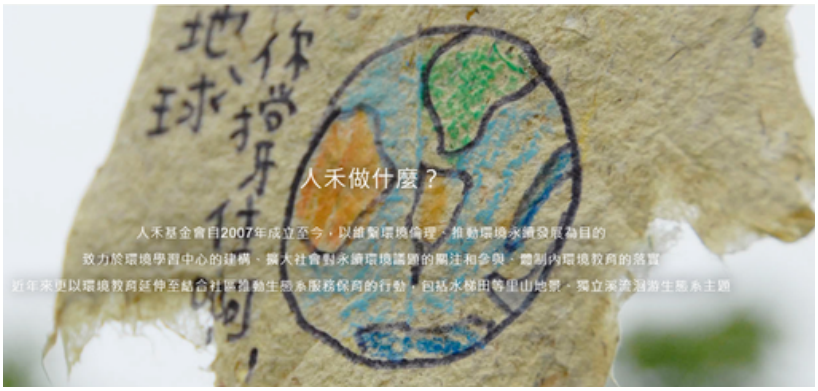
純粹食光秉持「Green Feed to Green Food」理念，以農業水果發酵製成天然綠色飼料，餵養鵝隻與雞隻，再製成滴鵝精、滴雞精，建立農業循環利用模式。綠香蕉麵則以整支綠香蕉搭配米與麵粉製成，全食利用特色農產，提升作物價值並減少耗損。透過可追溯食材、在地供應鏈與食農教育，打造兼具減廢、循環與安心的永續飲食。

Following the "Green Feed to Green Food" philosophy, Pure Food ferments agricultural fruit residues into natural feed for poultry, creating a circular food system that produces Goose Essence and Chicken Essence. Green Banana Noodles are made from whole green bananas, rice, and flour, maximizing crop utilization and reducing food waste. With traceable ingredients, local sourcing, and food education, the products promote sustainable, low-waste, and trustworthy food production.

品牌介紹

人禾環境倫理發展基金會
Environmental Ethics Foundation of Taiwan

人禾環境倫理發展基金會 Environmental Ethics Foundation of Taiwan



人禾環境倫理發展基金會成立於2007年，以「維繫環境倫理、推動環境永續發展」為宗旨，長期致力於環境教育、自然保育及社區參與，深耕森林、生態、水資源、里山里海、友善農業、資源循環等議題，並經營多處環境學習中心，發展兼具知識性與體驗性的課程，串聯學校、社區、政府與民間夥伴，共同推動永續行動。近年更結合生態保育、地方創生與公民參與，將環境教育延伸至社區與生活實踐，期望透過教育、對話與行動，提升社會對環境議題的關注，培養全民永續素養，實踐人與自然共好的願景。

The Environmental Ethics Foundation of Taiwan (EEFT) was established in 2007 with the mission of promoting environmental ethics and sustainable development. Through environmental education, nature conservation, and community engagement, the foundation has long focused on forests, biodiversity, water resources, Satoyama and Satoumi landscapes, sustainable agriculture, and resource circularity. EEFT operates multiple environmental learning centers, offering knowledge-based and hands-on programs that connect schools, communities, government agencies, and civic partners. In recent years, it has integrated ecological conservation, local revitalization, and citizen participation to bring environmental education into everyday life. Through education, dialogue, and collective action, EEFT seeks to raise public awareness of environmental issues, cultivate sustainability literacy, and foster a future where people and nature thrive together.

廢棄物的魔法轉生術 The Magic Rebirth of Waste

人禾環境倫理發展基金會致力推動環境教育，近年協助環境部資源循環署推動循環經濟教育，透過課程、教材及體驗活動，將資源循環理念融入校園與日常生活。本次帶來「廢棄物的魔法轉生術」互動遊戲，讓民眾在趣味挑戰中建立正確的資源回收觀念，實踐循環永續。

The Environmental Ethics Foundation of Taiwan (EEFT) promotes environmental education and has partnered with Taiwan's Resource Circulation Administration to advance circular economy education. Through educational programs, teaching materials, and hands-on activities, EEFT integrates resource circulation concepts into schools and daily life. At this expo, visitors can enjoy "The Magic Rebirth of Waste," an interactive game that makes recycling fun while helping participants build correct recycling habits and embrace a circular, sustainable lifestyle.

品牌介紹

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長日咖啡
讓咖啡渣走進循環生活

FROM COFFEE GROUNDS TO CIRULAR LIVING

我們回收每日被丟棄的咖啡渣，透過自主專利技術，轉化為環保、實用、高品質的循環商品，讓一杯咖啡的旅程，可以延續到生活的每一天。

We collect spent coffee grounds that would otherwise be discarded and transform them through our patented technology into eco-friendly, practical, and high-quality circular products, extending the journey of every cup of coffee into everyday life.

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Resourse Recycling

創新再生
Innovative Upcycling

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美好生活
Better Life Together

咖啡渣天然防護盤香
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我們致力於每月回收 1,000 噸台灣咖啡渣
We are committed to recycling 1,000 tons of spent coffee grounds in Taiwan every month.

官方LINE
加好友

陶作坊
LIN'S CERAMICS STUDIO
SINCE 1983

×

AURLI
奧 利

陶作坊，創立於1983 年，是茶文化體驗的領航者，作品多次榮獲國際大獎。並創立子品牌 奧利Aurli ，專注咖啡器具設計，為世界咖啡賽官方指定器具。

我們以 43 年陶瓷工藝為基礎，研發獨特材質「老岩泥」透過燒成次數，對應茶與咖啡風味，並推動循環再利用，實踐永續，將台灣工藝帶向國際。

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讓每一次展示，
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久勝旗幟38年專業印刷 × ESG永續製造

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優質的印刷品可以美化城市；
不只吸引目光，更能減少環境負擔。

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[紙域設計]

TOUR 兔耳

ECO-FAIR STUDIO

讓每一次展示，成為循環的開始。

Sustainable Exhibition Design
Brand Space Planning
Circular Display System

Circular-Cross Expo
超越圈圈循環博覽會

我們相信，一場展覽不只是品牌展示，
更是材料、空間與故事再次被使用的開始。

兔耳域以循環設計思維，整合展場規劃，
展示系統、品牌空間與再生材料，
讓展示不因展期結束而成為廢棄物，
而能持續創造新的價值。

我們陪伴品牌打造兼具美感、效率與永續的
展覽體驗，讓每一次展出，
都留下更小的環境足跡。

永續展場規劃
運用循環思維與在地材料，打造低碳、環境友善的展場空間。

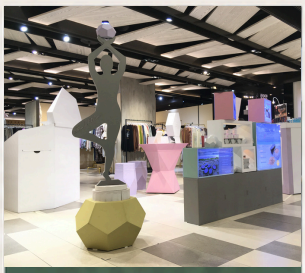
品牌空間設計
從品牌故事出發，創造具識別性與體驗感的展示空間。

展示系統設計
模組化展示系統，彈性重複使用，延長材料生命週期。

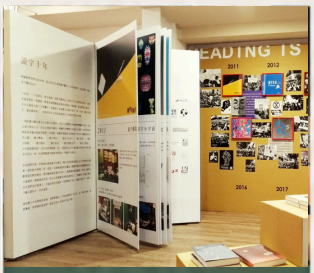
循環展示道具
以再生材料與可回收設計，減少浪費，讓每件道具都有下一次使用。

ESG 展覽策劃
結合 ESG 理念與互動體驗，提升品牌價值與社會影響力。

展覽入口設計



品牌展位規劃



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一群人的努力，造就不一樣的世界

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https://www.instagram.com/circularcrossexpo

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主辦單位｜Organized by 美麗台灣 BEAUTIFUL TAIWAN

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