

Ciaotex

Ciaotex Fabric Guide



Circular Solutions

HORECA & MICE Businesses

About Ciaotex | 認識蕉織布

• What is Ciaotex? / 蕉織布是什麼?	_____	P01
• Raw Material Process / 原料製程	_____	P02
• Textile Production / 蕉織布織造過程	_____	P03
• Fabric Features / 蕉織布特性	_____	P04
• Ciaotex Material Specs / 蕉織布規格	_____	P05

Material Characteristics & Application Notes | 材料特性與應用注意事項

• Ciaotex Characteristics / 布料特性	_____	P06
• Printing Effects / 印刷效果說明	_____	P07-8
• Printing Extension & Edge Finishing / 印刷延伸與收邊處理	_____	P09
• Ironing Tips / 熨燙說明	_____	P10

Ciaotex Services & Case Studies | 蕉織布服務與應用案例

• Ciaotex Services / 蕉織布服務	_____	P11
• Case Studies / 案例分享	_____	P12

About Ciaotex

認識蕉織布



What is Ciaotex?

Ciaotex 蕉織布是什麼？

Circular textile made from
100% natural banana fiber

由100%天然香蕉纖維製成
的循環紡織品



From Earth, back to Earth
源於自然，回歸自然。

Raw Material Process

原料製程



**Harvest Abacá
Banana plant**

收穫馬尼拉麻香蕉樹



**Separate
Leaf sheaths**

分離葉鞘



**Extract, comb
& clean fibers**

提取、梳理和清潔纖維



**Air dry
& sort fibers by colour**

自然風乾並依顏色分類纖維

Ciaotex is made from Abacá, also known as Manila hemp, a banana-family plant mainly grown in the Philippines. It grows with natural rainfall and reduces reliance on pesticides and insecticides.

蕉織布以Abacá 馬尼拉麻為原料，源自主要生長於菲律賓的蕉科植物，可依靠自然降雨生長，並減少對農藥與殺蟲劑的依賴。

Textile Production

織造過程

Weaving Process Flow Chart



**Boil & press fiber
into sheets
for transportation**

將纖維煮沸並壓
製成片狀，以便
運輸



**Soak sheets
→ make paper
→ cut into strips**

浸泡紙張
→ 製紙
→ 裁成條狀



**Spun paper strips
into yarn**

將紙條紡成紗線
製作成紙紗



Woven Fabric

紡織成布



Finished fabric

成品布料

Fabric Features

蕉織布特性



Light Weight

輕量/輕盈



Durable

堅韌耐用



Highly Absorbent

吸水性佳



Breathable

透氣度佳



Anti-Bacteria

抗菌劑



Odor Resistant

抗臭



UV Resistant

抗紫外線



Biodegradable

可生物降解

- **100% Fully Biodegradable**

100% 可堆肥降解

- **Strong & Durable for Reuse**

布料堅韌耐用，可重複使用

- **Minimal chemical & water input during cultivation.**

種植過程中盡量減少化學品和水的投入。



Ciaotex Material Specs

蕉織布規格



BNF001

- Material: 100% Abaca Fiber Paper Yarn
- Yarn Specs: 18'S/2 (18 count double-ply)
- Thickness: 0.57 mm
- Weight: 310 g/m² (GSM)
- Weight: approx. 9.1 oz/yd²
- Width: 54" - 136cm
- Printing Width: Max. 130cm

- Fabric Roll Specs:
Each roll: 60yd
Package Size: W20 x H20 x L163cm
Weight: 25kg

• Heat Resistance Reference:

Withstands short-term heat exposure of approx. 200–220°C. Actual printing, heat pressing, and ironing conditions should be tested based on ink, equipment, and dwell time.

- 材質： 100% Abacá 纖維紙紗
- 紗線規格： 18'S/2 (18 支雙股紗)
- 厚度： 0.57 mm
- 克重： 310 g/m² (GSM)
- 重量： 約 9.1 oz/yd²
- 布寬： 54 英吋 - 136公分
- 印刷寬幅： 最寬 130公分

- 布卷規格：
每卷長度： 60 碼
包裝尺寸： W20 × H20 × L163 cm
重量： 25 kg

• 耐熱參考：

蕉織布可承受約 200–220°C 受熱。
實際印刷、熱壓與熨燙條件，仍需依墨水、設備與停留時間測試。

Material Characteristics & Application Notes

材料特性與應用注意事項

Ciaotex Characteristics

布料特性



Ciaotex is woven from Abacell paper yarn, consisting of the characteristics of **paper and textile.**

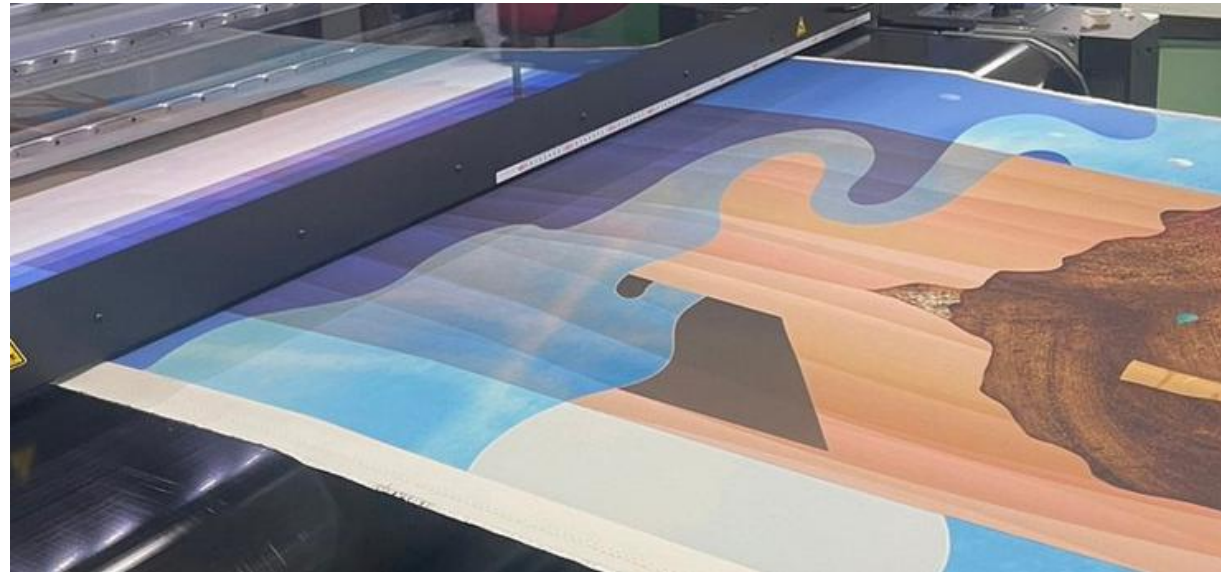
- Its structured surface may retain creases or needle marks after folding, stacking, or sewing tension.
- Ironing can reduce wrinkles, but deep crease lines will not fully recover.

Ciaotex 為紙紗織成，同時具有 / 紙 & 布料 / 的特性

- 布面具有紙的特性，折壓或車縫拖拉後，可能留下摺痕與針孔痕跡。
- 熨燙可改善皺感，但深摺痕不會完全恢復，建議加工前先行測試。

Printing Effects

印刷效果說明



Large-format printing is not traditional textile printing.

Washing or long-term friction may cause fading or rub-off. Testing is recommended before post-exhibition reuse applications.

大圖輸出非紡織印花

大圖輸出如水洗和摩擦會產生色落。展覽後若規劃再利用加工產品，應留意此材料與印刷特性，並建議先進行應用測試。



HP Latex Ink

- Vivid color, suitable for image reproduction
- Dark areas may rub off under friction
- Store rolled and avoid surface rubbing

HP 環保乳膠墨水

- 色彩鮮明，適合圖像表現。
- 深色區域摩擦時較易掉墨。
- 建議捲收，避免表面摩擦。



Sublimation Printing

- Soft color with a matte-like finish
- Less prone to rub-off under friction
- Lower saturation, suitable for soft color palettes
- Store rolled and avoid surface rubbing

熱昇華

- 色彩柔和，帶霧面質感。
- 摩擦較不易掉色。
- 飽和度較低，適合柔和色系設計。
- 建議捲收，避免表面摩擦。

Printing Effects

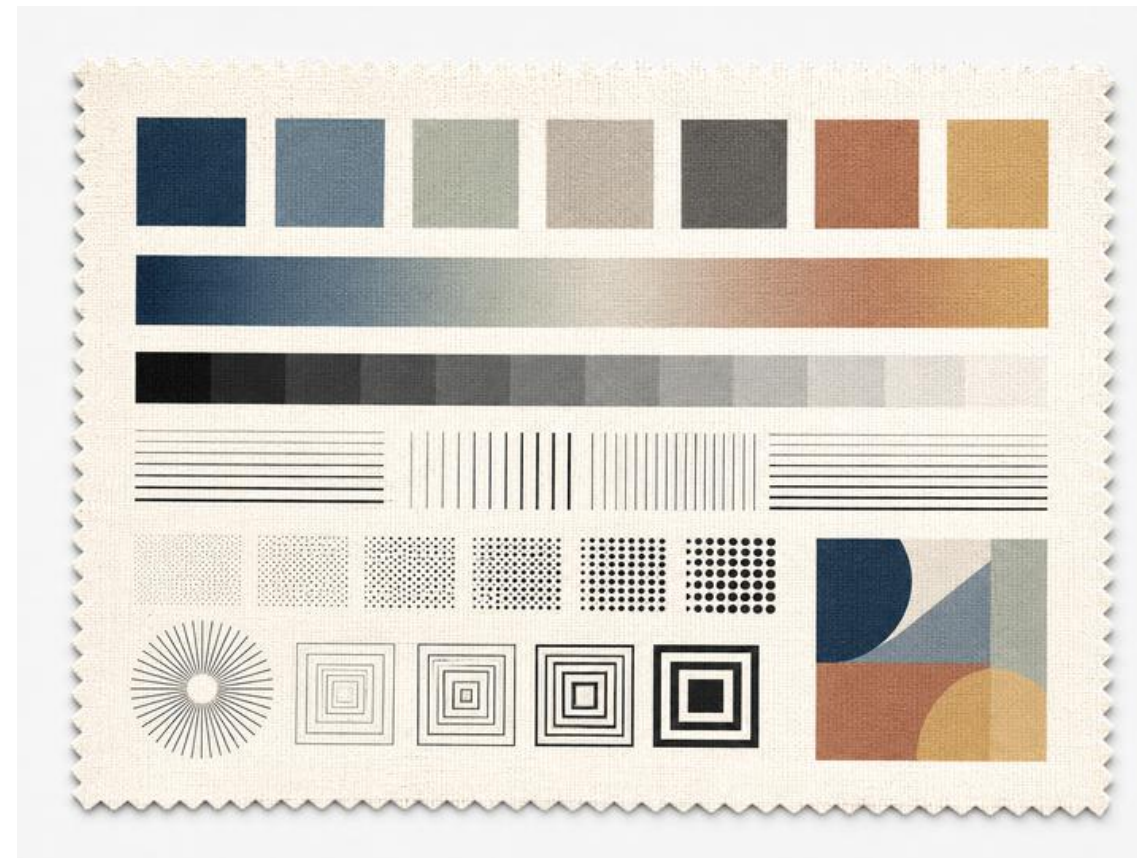
印刷效果說明



Base Color Notice

Ciaotex has a natural ivory base, not pure white. Printed colors may appear warmer due to the base tone and fiber texture. For a pure white effect, use white ink or another white substrate.

蕉織布為自然米白色，非純白基材。印刷色彩會受布底與纖維紋理影響，較白布略顯溫暖；如需純白效果，建議加印白墨或改用白色基材。



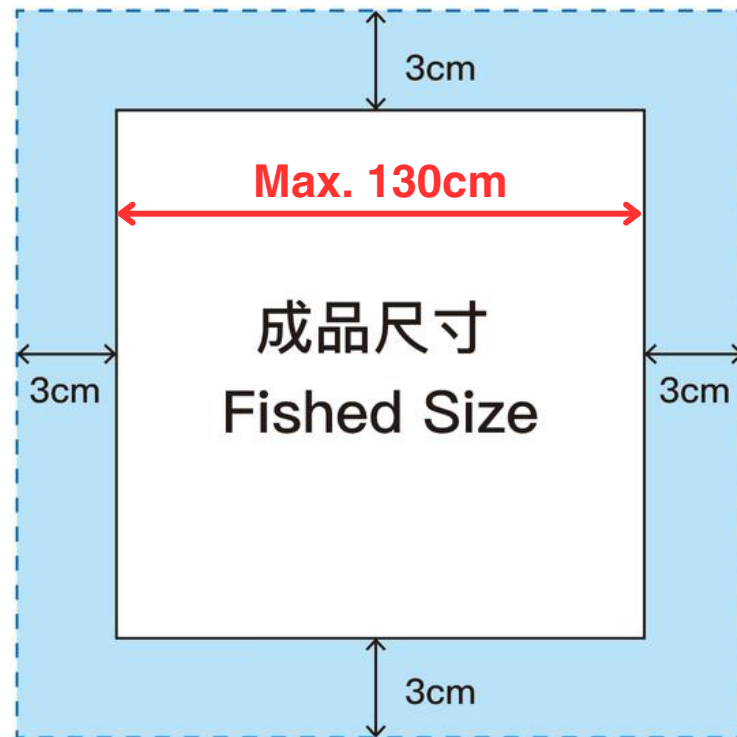
For logo colors, photographic images, or large color areas, sample printing or color swatch testing is recommended before production.

若有 LOGO 識別色、攝影圖像或大面積色塊等精準色彩需求，可提供印前小圖或色塊測試。

- Provide files in CMYK.
- Text and fine lines: C0 M0 Y0 K100.
- Large black areas: use rich black if needed, e.g. C30 M0 Y0 K100.
- Avoid C100 M100 Y100 K100 to prevent excessive ink coverage and drying issues.
- 檔案色彩： CMYK
- 文字與細線： C0 M0 Y0 K100
- 大面積黑色：可使用複色黑，如 C30 M0 Y0 K100
- 避免四色黑 C100 M100 Y100 K100，以免總墨量過高影響乾燥與品質

Printing Extension & Edge Finishing

印刷延伸與收邊處理



兩折收邊
Double-fold Hem

- **Print Bleed:** For edges that require sewn hemming, the printed area should extend **at least 3 cm** beyond the finished size to allow sufficient margin for the double-fold hem.
- **Edge Finishing:** To reduce fraying or loose threads during use, we use double-fold hem detail to treat the fabric edges. This method encloses the cut edge inside the folded hem before stitching.
- **印刷延伸：**若布邊需車縫收邊，印刷建議至少向外延伸 3 cm，以保留兩折收邊所需的加工餘量。
- **收邊建議：**為減少使用後布邊鬚邊或脫線，建議採用兩折收邊，將剪裁邊完整包覆於內側後，再車縫固定。

Ironing Tips

熨燙說明



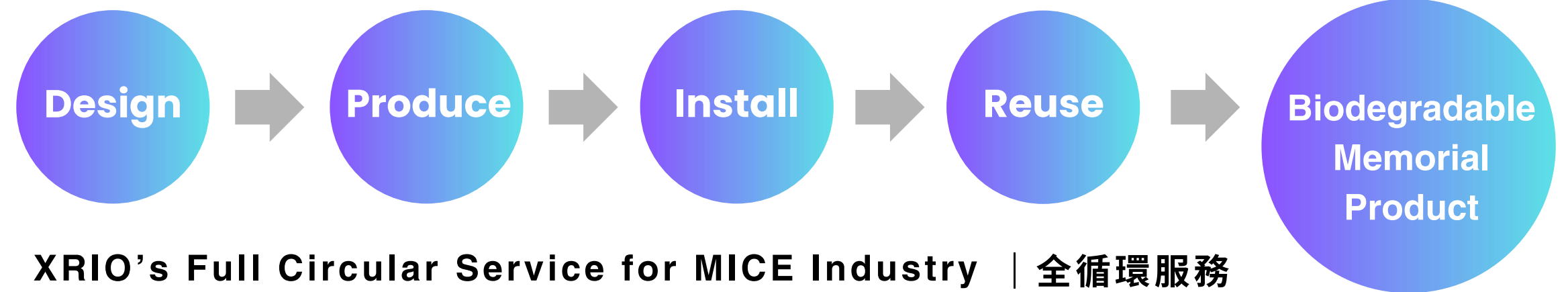
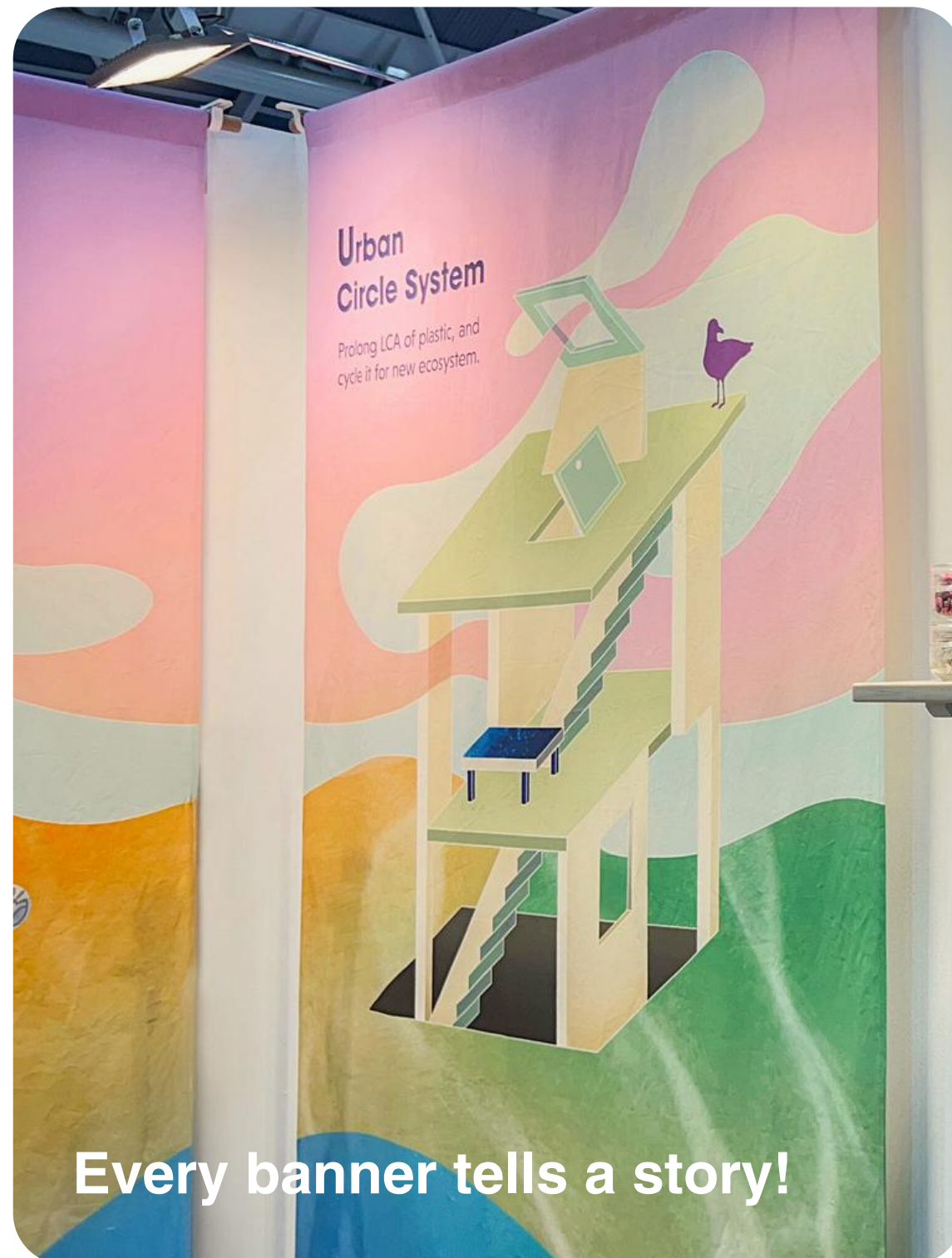
- **Dry or steam iron:** Dry or steam ironing can be used. Avoid direct water spraying, as local moisture may cause shrinkage on unwashed fabric. If water contact occurs, steam iron promptly to improve flatness.
 - **Brief pressing:** Avoid high heat, high pressure, or repeated sliding on the same area.
 - **Print protection:** For printed fabric, use a pressing cloth or iron from the reverse side to avoid direct contact with the ink layer.
 - **Cool flat:** Let the fabric cool flat after ironing, then store rolled.
-
- **乾燙／蒸氣：** 可乾燙或蒸氣熨燙，避免直接噴水。布料未經預洗，局部受水可能收縮不平；若不慎沾水，請盡快蒸氣熨燙以改善平整度。
 - **短時間按壓：** 避免高溫、高壓長時間停留，或在同一位置反覆推燙。
 - **印刷保護：** 如有印刷，請使用墊布或由背面熨燙，避免直接接觸墨層。
 - **平放冷卻：** 熨燙後先平放冷卻，再捲收保存。

Ciaotex Services & Case Studies

蕉織布服務與應用案例

Ciaotex Services

蕉織布服務



- Banner
- Backdrop
- Poster
- 橫幅掛布
- 背景掛布
- 主視覺海報

Case Studies

案例分享



2024 FHA Singapore - EFAY Expo Booth



2026 NSTC
Net-Zero Sandbox Experiment for Civil Society

Thank you very much!

If you have any question, please feel free to contact us!

Company website: www.xrío.tw

1F., No. 73, Ln. 219, Minzu Rd., Banqiao Dist., New Taipei City, Taiwan 220

TEL : +886 2-82626166 - FAX : +886 2-81924057