



# Sustainable Practices for Fashion and Textile Industry

## Highlights of Practical Toolkit

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The Hong Kong Productivity Council (HKPC)

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# Carry-on From Phase 1 Project

Project Reference: T21002016

English Title: The Road to Sustainability –  
A Study on Sustainable Development of  
Hong Kong Fashion and Textile Industry

Chinese Title: 可持續發展之路 –  
地時裝及紡織業的可持續發展研究

Target Sector: Textiles and Clothing



Organiser



Implementation Agent



Funded by Trade and Industrial Organisation Support Fund,  
Trade and Industry Department



工商機構支援基金  
Trade and Industrial Organisation Support Fund

Any opinions, findings, conclusions or recommendations expressed in this material/event (or by members of the project team) do not reflect the views of the Government of the Hong Kong Special Administrative Region or the Vetting Committee of the Trade and Industrial Organisation Support Fund.

# Project Overview

|                       |                                                                                                                                 |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------------|
| Project Reference:    | T23003010                                                                                                                       |
| English Title:        | The Guide for Sustainability Journey –<br>A Practical Toolkit for Hong Kong Fashion and Textile Industry                        |
| Chinese Title:        | 可持續發展實踐攻略 –<br>本地時裝及紡織業實用工具箱                                                                                                    |
| Organiser:            | Institute of International Sustainable Development Limited<br>國際可持續發展學院                                                         |
| Funded by:            | Trade and Industry Organisation Support Fund,<br>Trade and Industry Department,<br>HKSAR Government<br>香港特別行政區政府工業貿易署「工商機構支援基金」 |
| Implementation Agent: | Hong Kong Productivity Council<br>香港生產力局                                                                                        |



工商機構支援基金  
Trade and Industrial Organisation Support Fund



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# Key Objectives

## Empowering Fashion and Textile Companies for Low Carbon Transition

The global push for carbon neutrality and upcoming carbon tariffs creates an urgent necessity for local manufacturers to improve environmental credentials.

## Practical Toolkit

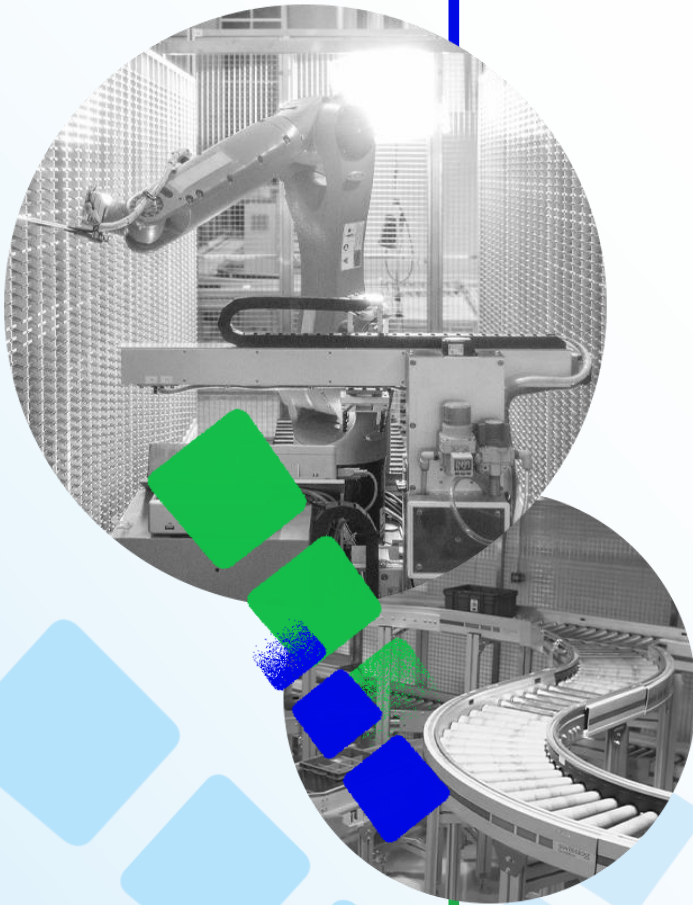
Develop a robust interactive web-based toolkit featuring case studies by pioneer companies and illustrative video clips to guide actual on-site implementation.

## Knowledge Dissemination

Disseminate the latest, high-value information on green manufacturing technologies and circular systems through a number of themed training seminars and a comprehensive dissemination seminar.

## Resource Mapping

Share strategic tips to access vital funding opportunities, policy updates, and operational guidelines, streamlining the sustainability transition for companies.



## About the Toolkit

# Project Deliverables for the Industry



## Web-based Toolkit for Green Textile and Fashion Solutions

- Covering the **Three** key focus areas
- **Ten** Hong Kong enterprise case studies
- **Six** video demonstrations

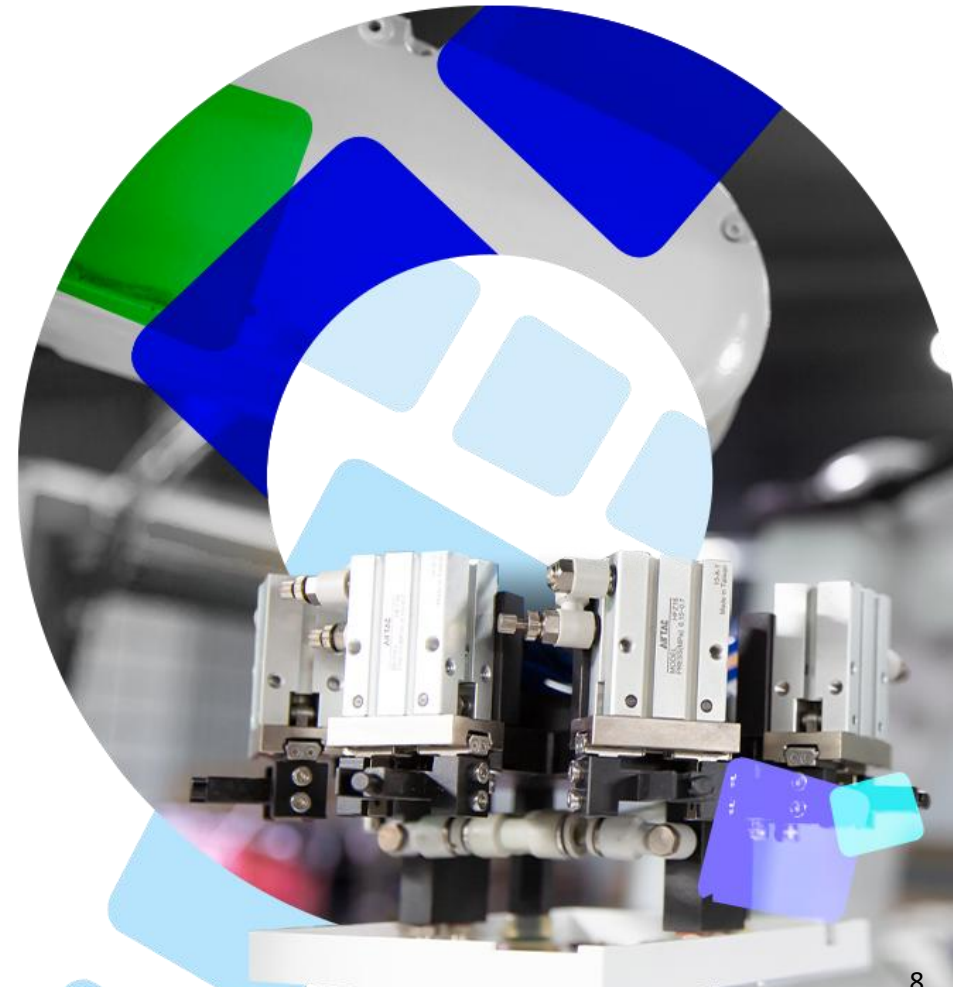


## Seminars

- **Three** training seminars
- **One** dissemination seminars



## Promotional Activities



# Key Focus Areas



**Toolkit Covers a Range of Case Studys  
Through Site Visit and Desktop Research**

# Acknowledgement to 30 Participating Companies

## Selection of Raw Materials

### Video Taking

Next Generation Biopolymer (OKOsix)

### Site Visit

Biobased Fiber (Toki Studio Limited)

Heat-conductive Textile (KnitWarm)

Water Soluble Non-Woven Fabric (EzyGreenPak)

### Research Reference

Circulose (Spinnova)

FINEX (Sateri)

NuCycl Lyocell (Evrnu)

Piñatex (Ananas Anam)

PlaX (Winnitex)

## Design and Manufacturing

### Video Taking

3D Garment Simulation (Cobalt)

Cooltrans (Prosperity Textile)

Manufacturing Automation (DeRUCCI)

Modern Manufacturing (Dakota)

### Research Reference

Colorifix (Colorifix)

Job Order System (iGarment)

Optitex (Optitex)

PIGMENTURA (Chia Tai Textile Group)

Polyester Dope Dyed Yarn (MonoFilo)

Vega3D (Unspun)

## Handling Surplus Products

### Video Taking

Second Life Products (Hanin)

### Site Visit

Shop Second Hand (ReDress)

### Research Reference

ambercycle (Ambercycle)

Biological Method on Waste Recycling (HKRITA)

Fashion Clinic (Fashion Clinic)

Fashion Trend Forecasting Tool (Heuritech)

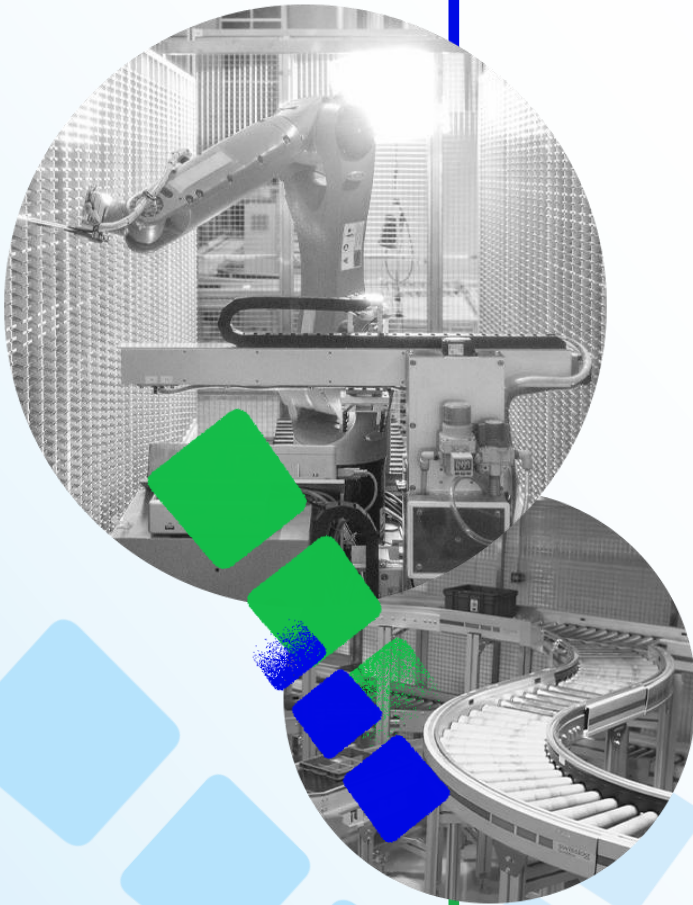
Garment-to-Garment Recycle System (HKRITA)

Green Machine (HKRITA)

RE.UNIQLO STUDIO (UNIQLO)

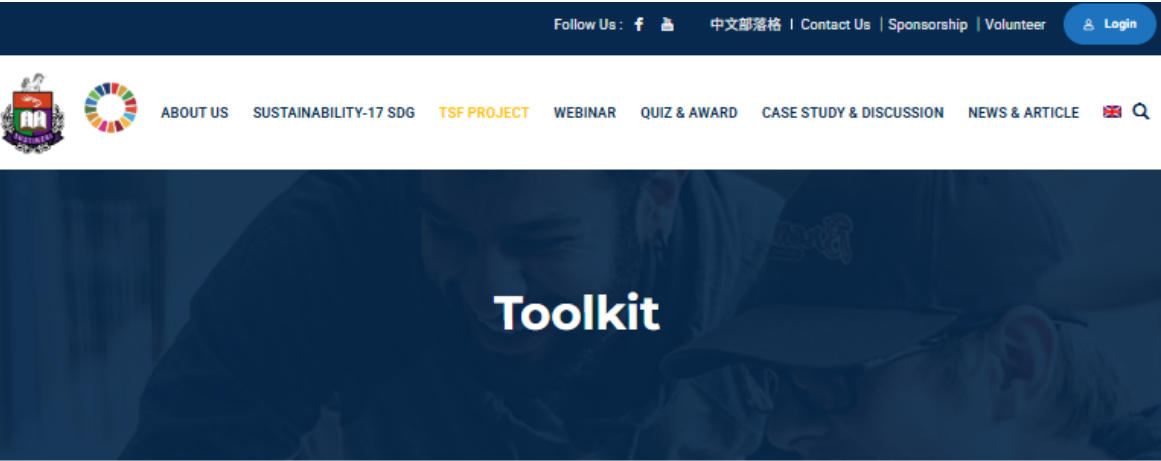
Textile & Garment Upcycling System (Wing Kai)

Green Machine (HKRITA)



# Toolkit Live Demo

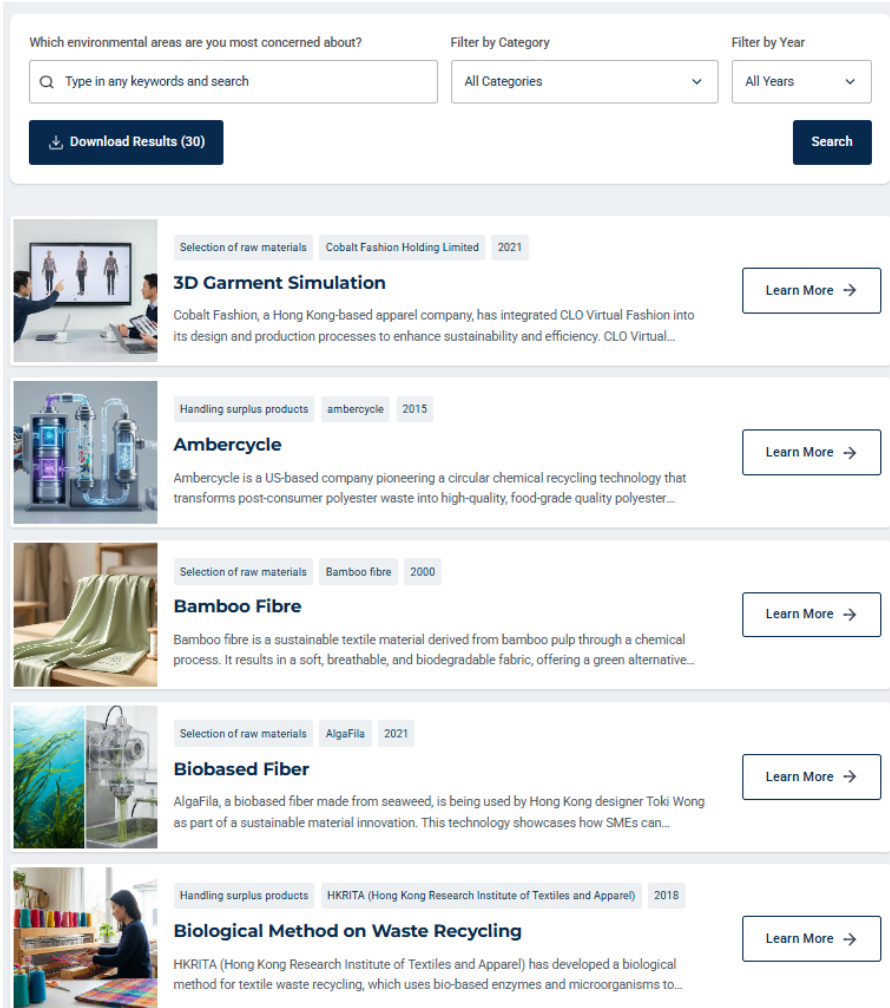
# Toolkit Main Page



## Introduction

With growing global concern over climate change and environmental degradation, the Hong Kong fashion and textile industry is facing increasing pressure to adopt more sustainable practices. At the same time, this transition presents new opportunities for the industry to enhance its competitiveness and strengthen long-term resilience. As an important player in global fashion trade and supply chains, Hong Kong is well positioned to support and benefit from this shift. In response, the Institute of International Sustainable Development (ISD) launched the project, "The Guide for Sustainability Journey – A Practical Toolkit for Hong Kong Fashion and Textile Industry," with funding support from the Trade and Industry Organisation Support Fund of the Trade and Industry Department of the HKSAR Government.

Building on the findings of the previous project, this toolkit has been developed as a practical and user-friendly online resource for local enterprises, particularly small and medium enterprises (SMEs). Its purpose is to help businesses better understand sustainable technologies and solutions and apply them to their own operations. The toolkit focuses on three key improvement areas identified by the industry: handling of surplus products, design and manufacturing, and the selection of greener raw materials. It also provides accessible information on market-available technologies, practical implementation guidance, case sharing, updated policy and funding information, and customised booklet functions. Through this study and toolkit, the project aims to equip enterprises with practical knowledge and tools to support informed decision-making, encourage the adoption of green technologies, meet evolving international requirements, and advance their sustainability journey.



# Toolkit Search Function

Which environmental areas are you most concerned about?

Filter by Category

Filter by Year

Step 1: Key in Keywords

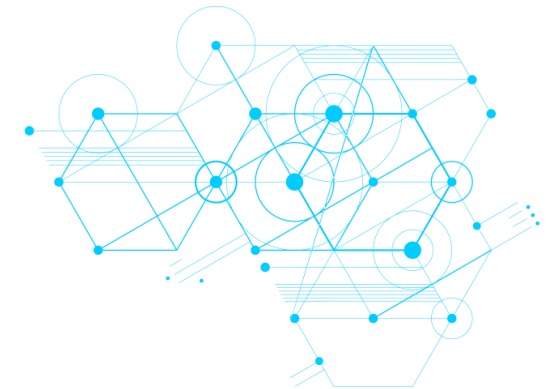
All Categories

All Years

Download Results (30)

Step 2: Click Search

Search



# Toolkit Search Function

Which environmental areas are you most concerned about?

Filter by Category

All Categories

Filter by Year

All Years

Download Results (2)

Search

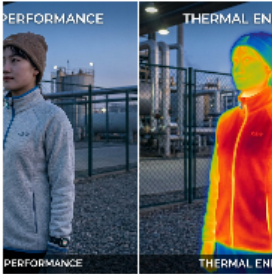


Design and manufacturing Prosperity Textile 2002

## Cooltrans

Prosperity Textile's World of Wonder (WOW), powered by its Cooltrans technology, is a patented cold transfer printing solution designed to enhance sustainability in textile printing. It uses...

Learn More →



Selection of raw materials KnitWarm 2017

## Heat-conductive Textile

KnitWarm, a Hong Kong-based sustainable fashion brand, has pioneered a heat-conductive textile that regulates body temperature efficiently, offering a functional and eco-friendly...

Learn More →

# Toolkit Search Function

Which environmental areas are you most concerned about?

Q Cold

Filter by Category

All Categories

Filter by Year

All Years

Download Results (2)

Step 3: Click “Download Results”

Search

A PDF summary will be downloaded automatically

## Prosperity Textile

|                                                                                                                   |                                                                                                                       |                                                                                                           |
|-------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|
|  Year of Establishment<br>2002 |  Industry<br>Textile Manufacturing |  Company Size<br>Large |
|-------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|



Prosperity Textile, a long-standing textile manufacturer based in Shaoguan City, has introduced the World of Wonder (WOW) initiative, which is powered by its Cooltrans cold transfer printing technology. The WOW case study focuses on design and manufacturing optimization, showcasing how patented eco-friendly printing methods can be applied in real production environments. Cooltrans represents a step forward in textile sustainability, offering a low-impact alternative to traditional printing techniques by reducing resource consumption and chemical use while enhancing design versatility and colour performance.

# Toolkit Highlights

## Case Study Video

### DeRUCCI Bedding (Hong Kong) Company Limited

**Company Location:** Hong Kong

**Factory Location:** Dongguan City

**Type:** Mattress & Bedding  
Manufacturing



# Toolkit Highlights

## Case Study Video

### Dakota Industrial Company Limited

**Company Location:** Hong Kong

**Factory Location:** Cambodia

**Type:** Wearing  
Manufacturing



# Toolkit Highlights

## Case Study Video

### Prosperity Textile (H.K.) Limited

**Company Location:** Hong Kong

**Factory Location:** Shaoguan

**Type:** Jean Fabric  
Manufacturer, Designer  
And Producer



# Additional Resources & Tips

## Regional Regulations

A closer look at key legislative transitions shaping supply chain accountability and waste policies in the United States, European Union and Chinese Mainland.

## Strategic Compliance Steps

Transforming complex legal requirements into active supply chain improvements that increase market value and resilience for manufacturing brands.

## Funding Opportunities

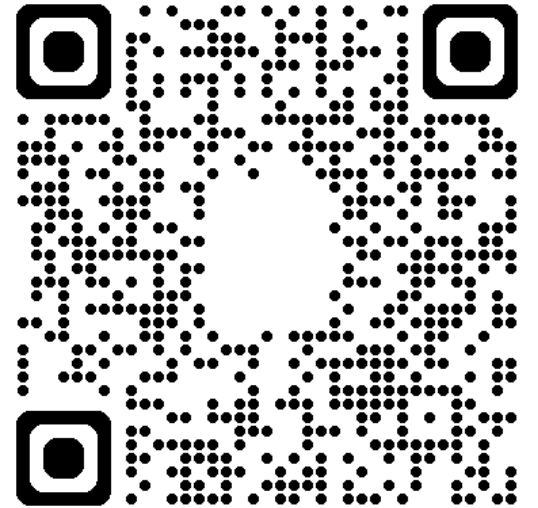
Exploring practical public funding initiatives provided by the Hong Kong government to offset setup, technology and equipment compliance costs.



## Toolkit Access Links

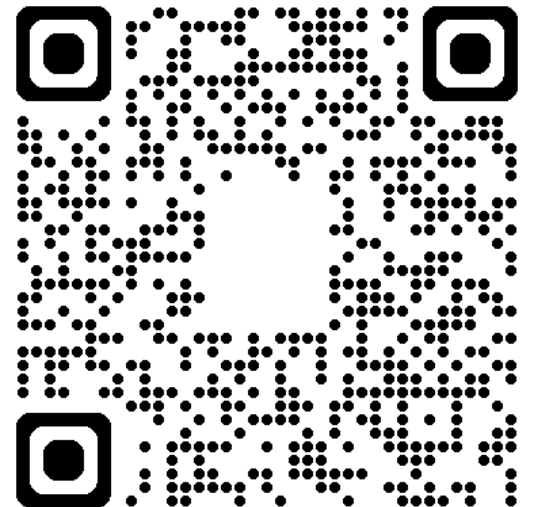
### Toolkit

<https://sustineri.org.hk/tsf-project/toolkit/>



### Resources & Tips

<https://sustineri.org.hk/tsf-project/recourses-and-tips/>



## Video Clip Links

### Youtube Channel

<https://www.youtube.com/@InstituteofInternationalSustai>



### Youtube Video

[https://youtu.be/9nAuqUXsqyU?si=ps\\_DLlge2drQPlmX](https://youtu.be/9nAuqUXsqyU?si=ps_DLlge2drQPlmX)



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