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# Footprints of Innovation:



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# Your One-Stop Solution for Sustainable and Innovative Footwear Production

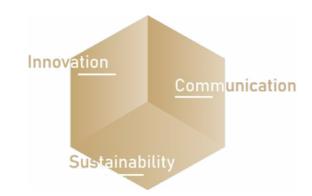
### Dear Sourcing and Sustainability Managers,

Are you seeking a footwear production partner that aligns with your commitment to sustainability and innovation? Look no further.

At Circular Solutions we offer a comprehensive solution for all your footwear production needs. Our extensive production capacities span a wide range of countries, providing flexible solutions tailored to your market demands in North America and the European Union.

#### Why Partner with Us?

- Sustainable Supply Chain: We collaborate with partners across the entire supply chain. From Leather Working Group (LWG) Gold-rated tanneries, including wet blue production, to suppliers of recycled materials for soles and uppers, we ensure every component meets the highest sustainability standards.
- Innovative Production: Our commitment to innovation means we stay ahead of industry trends, providing you with cutting-edge designs and materials that set your products apart.



- Advanced Software Integration: Our proprietary software allows us to design, plan, produce, and monitor each order meticulously, ensuring we meet your exact requirements with full transparency.
- Global Flexibility: With production facilities in multiple countries, we offer scalability and flexibility to adapt to your specific needs and regional preferences.

#### **Let's Drive Sustainable Innovation Together**

Choosing Circular Solutions means partnering with a leader dedicated to sustainability and innovation. We are committed to helping you achieve your sourcing and environmental goals while delivering exceptional products.

#### **Contact Us Today**

Ready to take the next step? Contact us to learn how we can support your sustainability initiatives and elevate your product offerings.

### Sincerely,

Karl Borgschulze

Michael Boenisch









## Step Into a Greener Future

## Pineapple Sneakers



## **Upper - Natural and Stylish:**

• From the innovative use of natural fibers to recycled materials in every layer, this shoe embodies a commitment to a greener future. The upper is made from Pineapple Tencel Yarn, an innovative material derived from natural fibers. Lightweight, breathable, and incredibly soft, it offers a unique texture that combines style with sustainability



## **Outsole - Durable and Eco-Friendly:**

• The outsole is constructed using 40% recycled EVA and 60% regular EVA, striking the perfect balance between durability and sustainability. This thoughtful combination reduces waste while maintaining excellent cushioning and rebound for an optimal walking or running experience.



### **Details:**

• The lining and insole are crafted from 100% recycled polyester, offering a snug, lightweight fit that hugs your feet comfortably. The tongue is made from recycled PVB (rPVB), a material repurposed from post-consumer waste like laminated glass, adding an extra layer of eco-conscious design to the shoe. The laces are also made from 100% recycled polyester.

## A Sustainable Innovation

## Pineapple Fiber



In cooperation with research centers and Bangladesh local partners, CS has developed high quality pineapple fiber for industrial production. The fiber is exceptionally sustainable and versatile.

To make pineapple fabric, fiber is extracted from pineapple leaves, washed and sundried for several hours. It is then combed

and spun into yarn. Using traditional warps and looms, the yarn is handwoven into a soft and sustainable fabric. Pineapple fiber can be used as material for home textiles, denim and other apparel, either in combination with other materials, such as organic cotton, or in 100% pineapple fabric.



## Lenzing

## Tencel Lyocell









#### What is TENCEL™?

TENCEL™ is Lenzing's flagship brand for textiles. Used for a variety of highly specialized applications, the benefits of TENCEL™ Lyocell and Modal fibers can be discerned instantly: Soft to the skin and smooth to the touch.

## **TENCEL™** Lyocell

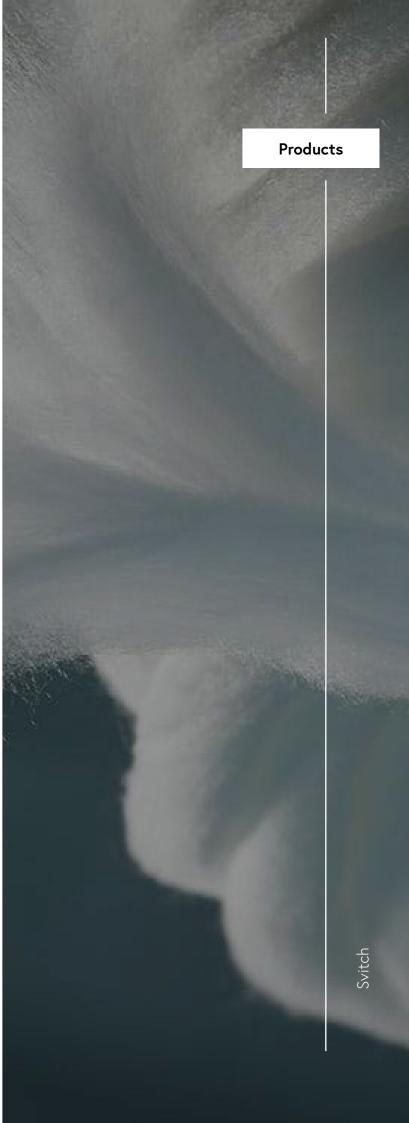
TENCEL™ Lyocell fibers are derived from controlled or certified wood sources using a unique resource-saving, closed loop production process – resulting in close-to-

zero wastage. Unique physical properties lead to their high tenacity profile, efficient moisture control, and gentleness to the skin.

TENCEL™ Lyocell are regenerated cellulosic fibers known for their natural comfort and environmentally responsible closed loop production process. They deliver quality, performance and versatility. Their unique physical properties lead to their high tenacity profile, gentleness on skin and good moisture management, especially desired in products where good thermo-physiological performance of textiles is required.

# Pineapple Tencel Upper

Made from a mixture of Pineapple fiber and Tencel



## Simple Design, Big Impact

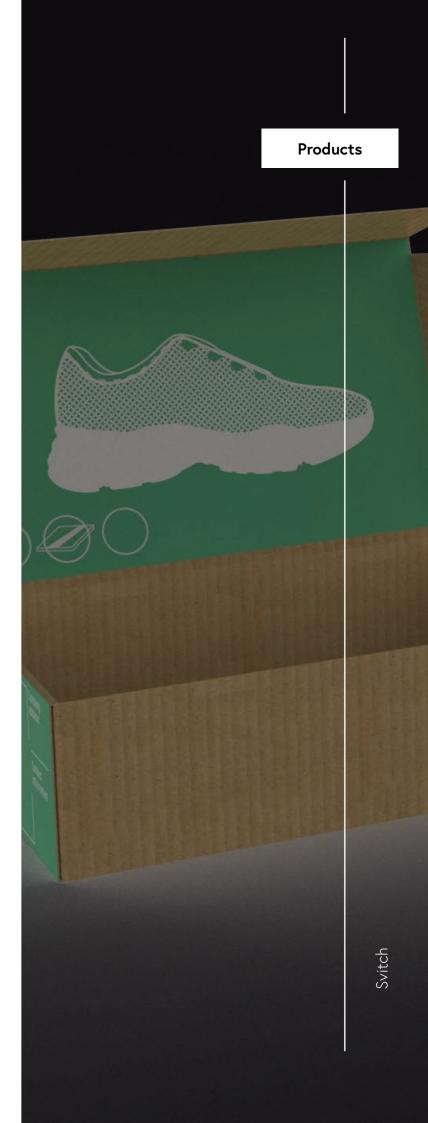
## Sustainable Shoe Box





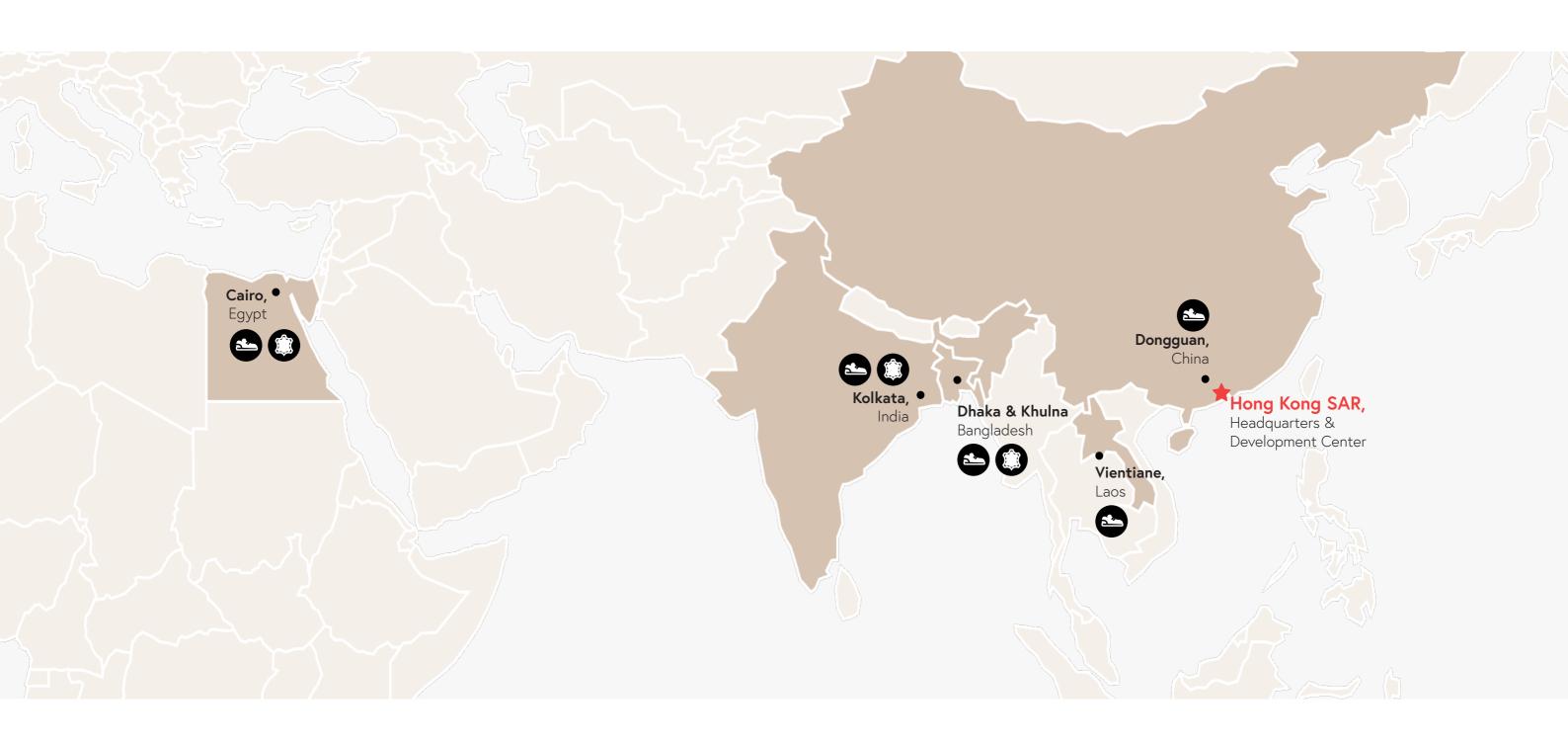
To complement the eco-friendly philosophy of our sneakers, we've specially designed a shoe box that embodies sustainability and functionality. Crafted from recycled paper, this shoe box eliminates the need for additional outer packaging during shipping. Its innovative design minimizes waste while reducing the environmental footprint of the entire delivery process.

The shoe box features a tear-strip opening, ensuring it stays securely sealed during transit and cannot be accidentally opened. Its sturdy construction provides ample protection for the shoes, keeping them safe throughout their journey to you. By combining practicality with durability, this packaging solution ensures the sneakers arrive in perfect condition.



## Where to Find

## Our Material and Production Network



## Overview

# Requirements



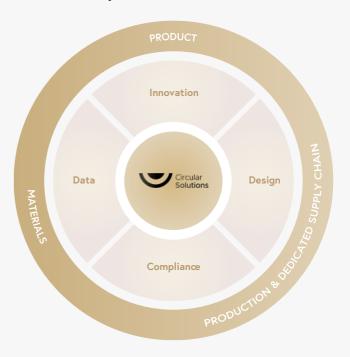
#### Quality

- Material Selection: We choose high quality materials that align with the brand's standards and customer expectations. This includes fabrics, leathers, and synthetic materials that offer durability, comfort, and aesthetic appeal.
- Manufacturing Processes: We work with partners of skilled craftsmanship and advanced manufacturing techniques to ensure product consistency and excellence. Quality manufacturing reduces defects and returns.
- Quality Control: We implement rigorous quality control measures at every production stage. Regular inspections and testing help maintain high standards and build customer trust.

## Price

- Cost of Production: We analyze all costs involved, including materials, labor, overhead, and logistics. Understanding these costs is essential for setting a competitive price point.
- Pricing Strategy: We develop a pricing model that balances profitability with market competitiveness. Consider factors like target audience, perceived value, and competitor pricing.
- Economies of Scale: We optimize production volumes to reduce per-unit costs.
   Larger production runs can lower costs but require accurate demand forecasting to avoid excess inventory.

## State of the Art Product Development and Production



#### **Legal Requirements**

- Regulatory Compliance: We ensure all products meet local and international regulations, such as safety standards, flammability requirements, and chemical restrictions (e.g., REACH, CPSIA).
- Labeling and Documentation: We adhere to legal requirements for product labeling, including country of origin, material composition, care instructions, and size information.
- Trade and Import/Export Laws: We comply with customs regulations, tariffs, and trade agreements in all countries where the product will be sold.

#### **Sustainability**

- Eco-friendly Materials: We use sustainable, recycled, or organic materials to reduce environmental impact. This appeals to environmentally conscious consumers and can differentiate your brand.
- Sustainable Manufacturing: We implement processes that minimize waste, reduce energy consumption, and lower carbon emissions. Consider certifications like ISO 14001 for environmental management.
- Ethical Labor Practices: We uphold fair labor standards, including fair wages, reasonable working hours, and safe working conditions. Certifications like Fair Trade or SA8000 can validate your commitment.
- Transparency and Reporting: We are transparent about your supply chain and sustainability efforts. Regular reporting can enhance brand reputation and customer loyalty.

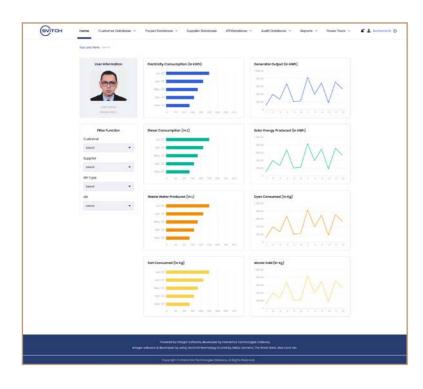


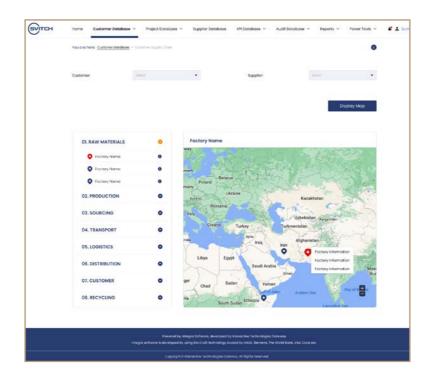
# Software

## Svitch:

## Technology Driven Supply Chain Solutions







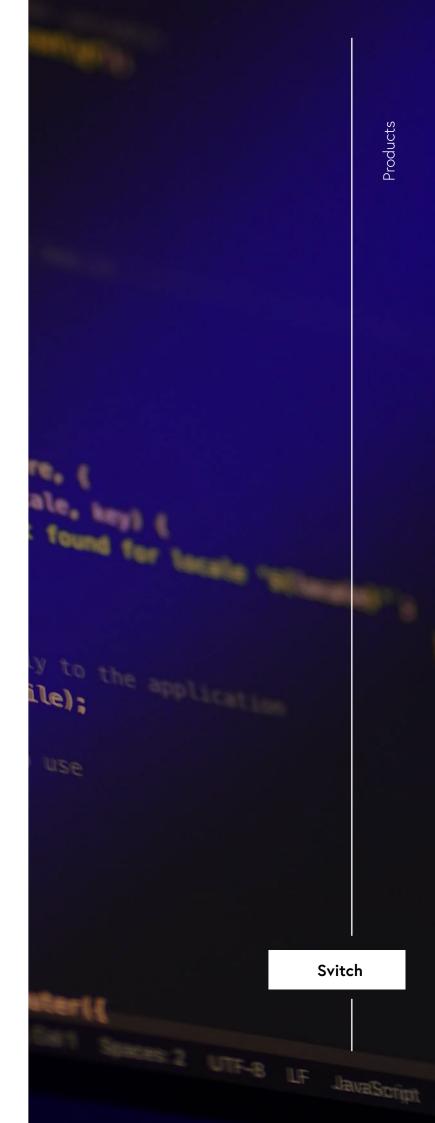
#### What is Svitch?

Svitch is our cloud-based communication platform and database tool to create transparency and manage orders and data of any complex supply chains. It establishes channels of communication throughout the entire supply chain and allows easy data gathering through freely definable order- and quality management processes, questionnaires, document management and more. Collected data is further analyzed and summarised in automatically generated reports to be used internally, or employed as an effective marketing tool to support your customers.

- Transparency and Communication Module
- Law into Action

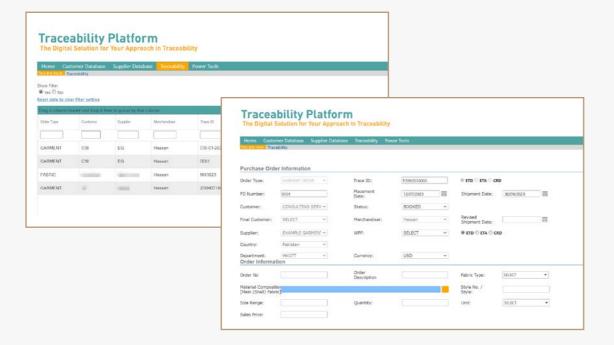
- Documentation Module
- Audit and Corrective Action Module
- KPI Monitoring and Analytics Module
- Traceability Module
- Order Management Module
- Quality Control Module
- Marketing Module, including Digital Showroom

With its different modules, Svitch allows for the proactive management of orders covering all aspects including compliance and liabilities along global supply chains.



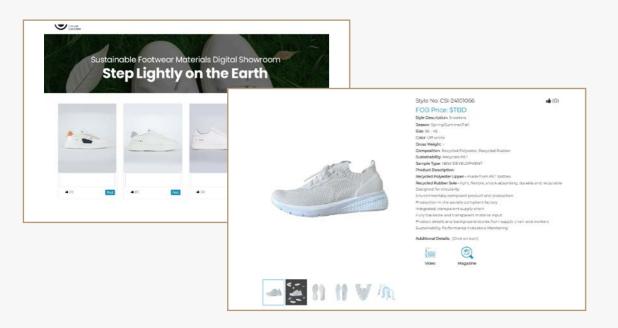
## **Traceability Module**

• The Traceability Module provides a comprehensive overview of the supply chain, tracing the journey from raw materials to final products.



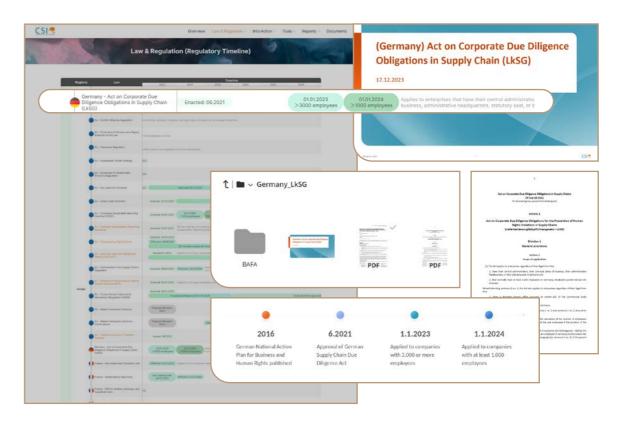
## **Digital Showroom**

• The digital showroom is a product communication platform, it offers the possibility to pro-actively showcase new products or ideas with 3D scans, photos, and other media in the cloud.



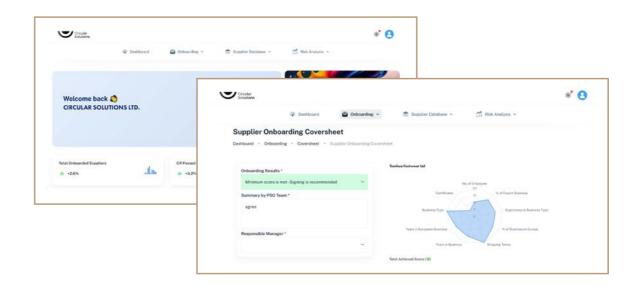
#### **Law into Action**

• Stay ahead of the curve with our innovative tool that brings together ESG laws and regulations from countries and organisations around the world.



### Customization

• Whether it's enhancing transparency and communication, managing compliance, or supporting marketing efforts, Svitch provides personalized solutions.



**Svitch** 



## General enquiries:

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# Circular Solutions