

Submitting Country, Organization, Company	France - Tilkal
If Organization or Company, please indicate the approximate number of employees	20
Title of the action	Supporting end-to-end traceability and transparency for a more sustainable, resilient and compliant apparel value chain.
Upload an image	



Relevant Website www.tilkal.com

Partners n/a

Type of initiative Private initiative

Description of action

Tilkal is the Supply Chain Traceability & Transparency Platform for Industry 4.0. It combines a unique B2B blockchain network for secure and provable data sharing, with analytics and scoring algorithms to create an end-to-end, real-time representation of the supply chain. Industrials and brands use Tilkal to track their products, identify their sourcing risks, prove their ESG commitments and demonstrate their compliance.

The apparel & fashion sector is frequently criticized for its opacity and the lack of transparency in its manufacturing processes, originated by the lack of a structured dialogue between all stakeholders upstream and downstream. In addition, we are witnessing a real paradigm shift with all the emerging

regulations that are defining a future where reliable, end-to-end traceability will be a form of «license to operate» in most markets, including the textile industry.

Tilkal brings the traceability, transparency and auditability capabilities to answer that challenge and make supply chains more resilient, sustainable and ethical.

Our solution brings together all the traceability elements necessary to create the visibility into the value chain that businesses need to ensure that their products (especially when sold to consumers) are meeting the right quality requirements, transparency, and regulatory compliance.

Using our platform, companies gain the ability to anchor their claims in supply chain reality and to root them in trust. Indeed, to reduce the environmental footprint of a product, it is essential to know the real conditions of its manufacture, from the production of the raw material to the making. Businesses can also drill up and down their supply chain when they need a fine-grained view of its workings, and gain access to alerts and consistency scores, verification for each supplier, product or category to ensure compliance while detecting anomalies, fraud, and more.

According to a survey carried out by Ipsos MORI in 2019, eight in ten French consumers believe that clothing brands should provide information on their environmental commitments, and around two thirds (64%) would be dissuaded from buying a brand associated with polluting production. For consumers, Tilkal provides access to clear and transparent information on the manufacturing conditions and origin of the products by scanning a QR code on the label of the product they wish to purchase.

To contribute to educating the ecosystem on traceability issues, Tilkal continuously shares concrete feedback based on customer use cases, as well as articles on the impact of technology on traceability and sustainability, and on regulatory challenges for the supply chain.

Through our commitment to sustainability, we seek to enhance awareness and education regarding traceability, while also supporting UNECE's efforts to underscore the urgency of advancing towards a more transparent textile and fashion sector. Traceability is fundamental to sustainability, necessitating detailed, operations-based, and verifiable data.

Type of action

Traceability

Transparency

Please select the specific area/s of the action

Business management systems or instruments

Scope of the action, including a description of the value chain processes that are covered

Objective

To enable end-to-end and real-time visibility of the value chain and strengthen the link between producer and consumer in the fashion industry.

Commitments

Tilkal builds the backbone of trust and traceability for industry 4.0. We enable end-to-end and real-time traceability and transparency for resilient, responsible and sustainable supply chains. Our solution brings together all the traceability elements necessary to create the visibility into the value chain that businesses need to ensure that their products (especially when sold to consumers) are meeting the right quality requirements, transparency, and regulatory compliance. Using our platform, companies gain the ability to anchor their claims in supply chain reality and to root them in trust.

Value chain scope

End-to-end traceability involving all stakeholders in the value chain, and including business transactions, certifications, products flows, and all steps of production, from raw materials to transport, transformation, and distribution. The data captured ranges from product data (composition, aggregation, etc.), to manufacturing, transportation, logistics, business transactions, payments, certifications, and CSR (deforestation, social data).

Timeframe and/or milestones for the action

- Tilkal was launched in 2019.
- The first demos are already taking place with leading brands in the apparel & fashion industry.
- Already in production in the food, cosmetics and aeronautics industries, the Tilkal platform is fully operational and ready to launch in production with its first customers in the apparel & fashion industry.

Reference instruments and sources used

GS1 standards are at the core of our data platform to be interoperable out of the box with existing ERPs (retailer, manufacturer, and supplier systems), as well as those of 3rd parties such as certification agencies, lifecycle datasets, and other sustainability solution providers.

Ensuring seamless interoperability with other traceability solutions is a key element of our solution's development features.

Expected benefits and impact for the stakeholders involved

Enhanced visibility of compliance with sustainability requirements by industry actors/partners along the entire value chain

Enhanced traceability of the social/environmental/ethical attributes of product(s)/materials along the value chain; for example, for origin, quality, sustainability performance, and compliance with health and safety requirements for consumers and workers

A measurable impact on sustainability in value chains over time, eventually verified through life-cycle assessments and/or sustainability certifications

Enhanced environmental and socially responsible consumption and production, and circularity of the value

chain, that may be relevant to and inspire other countries and industry actors/partners

Management of reputational risk for manufacturers, brands and retailers who are selling the products concerned

Improved working conditions for workers along the value chain and, particularly, those who work for “suppliers to suppliers” in parts of the value chain that today are often “hidden”

Stakeholders involved

Business and industry associations

Consumers and consumer associations

Retailers

Key performance indicators for the action

- Number of apparel & fashion brands connected to Tilkal’s traceability network.
- Number of events and transactions recorded.
- Number of suppliers onboarded on the platform.
- New features and new processes included in the solution (machine learning and analytics algorithms, data collection tools).

Good practices

- Maintain agility in technology and governance.
- Offer the same level of governance for small and large stakeholders (network access).
- No consortium but rather contractual commitments for network access.
- Ensuring seamless interoperability with other traceability solutions is a key element of our solution’s development features.
- Tilkal’s Knowledge Hub <https://www.tilkal.com/blog>

How has this UNECE-UN/CEFACT Call to Action contributed to strategic engagement and/or public awareness in support of your commitment?

UN/CEFACT accelerates sustainable transformation by bringing together industry stakeholders, fostering knowledge exchange, and inspiring action. This aligns perfectly with the goals and ambitions of Tilkal.

Link to relevant goal(s) and specific target(s) of the United Nations

