STAHL

SUCCESS

STORY

finboot tech

HOW STAHL USES BLOCKCHAIN SUCCESSFULLY TO SHARE VERIFIED SUSTAINABILITY CREDENTIALS WITH BRANDS THAT USE ITS PRODUCTS

INTRODUCTION

Stahl is an active proponent of responsible chemistry for coatings, processing and treatments. Its direct customers are tanneries and other small manufacturers that supply their materials to brands, predominantly in the fashion and automotive industries.

Consumers are becoming ever more sustainability conscious and regulators are taking stronger actions on the detrimental effect that the fashion industry is having on our environment. As a result, consumer-facing brands are demanding more details about product provenance and manufacturing processes. As a supplier, Stahl is rising to this challenge in line with its strategy to create responsible chemistry for a better future.

By implementing MARCO, the company was able to significantly improve the way it shares and verifies the sustainability credentials of their products with consumer-facing brands.

CHALLENGE

Leading brands increasingly require that their suppliers only use chemicals from approved providers. However, they currently rely on disconnected manual processes (i.e. emails, phone calls and paperwork), to pull product data from suppliers. This means sustainability data is often unavailable and, at times, unreliable, which is completely incompatible with the transparency that they, along with their consumers and regulators, now demand. In order **to provide a higher level of visibility of their processes**, Stahl realised that it needed a **digital ecosystem capable of recording, digitising and sharing all properties of its product portfolio.**

SOLUTION

Finboot's enterprise software solution MARCO provided Stahl with the capabilities to create this digital ecosystem and to take advantage of blockchain technology's valuable features. MARCO creates immutable digital assets of Stahl's products to deliver **transparency and traceability within the company's supply chain in a way that no other digital technology can**. This means that the end-brands have direct and **easy access to accurate and verified information** about the overall properties of Stahl's products so that they too can **verify the sustainability credentials** of their own supply chains. These properties include documentation such as bill of materials, bill of substances, the provenance of the raw materials, and safety and technical data.

MARCO
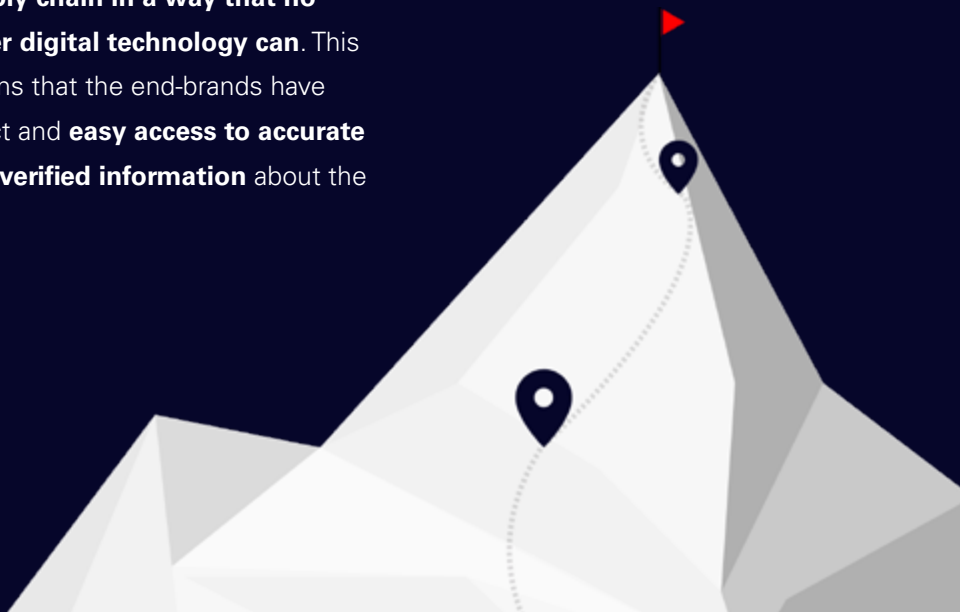
01 Resources
Stahl is producing sustainable chemicals for a better world.

02 Processing
Thanks to Track & Trace we can record and share sustainable credentials of chemicals across the supply and value chain.

03 Manufacturing
Logistic operations can be tracked to make sure that the whole process & impact gets registered and traced.

04 Traceability
Intermediating processes can be tracked to make sure we continue with sustainable practices.

05 Retail
Consumer-facing brands can then make sure their products comply with the maximum sustainable standards and share that information with final consumers.

OUTCOME

With its newly digitised product passports, **Stahl is able to map its supply chain data and selectively connect with suppliers and customers in a more transparent and accessible ecosystem.** The initial implementation has been validated with a subset of its product portfolio, with the intention of scaling it via secured integrations to Stahl's internal systems. Following successful implementation and scaling of the solution, **Stahl could potentially connect with brands' existing blockchain ecosystems in the future**, or alternatively the brands could plug into this new ecosystem developed by Stahl and Finboot.

Further down the line, there is also scope to provide end-to-end traceability along the entire supply chain for the full manufacturing process of the flexible surfaces that use Stahl products. This means that **brands will eventually be able to provide end-to-end visibility on the entire manufacturing process and supply chain behind the creation of their goods** (for example, a leather handbag), down to the raw materials that make up the chemicals used during production.

With the help of Finboot, Stahl has strengthened its ESG credentials within the specialty chemicals industry, and further established itself as a collaborative partner leveraging digital solutions to meet sustainability ambitions.

Do you want to improve transparency, traceability
and data sharing across your supply chain?

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