

CASE STUDY

Codipro and Telindus create an innovative blockchain-based tracking tool



THEIR OBJECTIVES



CODIPRO produces articulated lifting rings. This safety equipment is subject to strict traceability standards. With the CODITRACER project, the company's objectives were to ensure :

Component Traceability

- CODIPRO rings comply with the safety requirements of the industrial standard EN1677-1 and undergo very strict regular controls. To ensure traceability of its products, CODIPRO has implemented individual marking of each of its rings since 2008.

Documentary Traceability

- CODIPRO lifting rings must comply with European Directive 2006/42/EC on machinery. A declaration of conformity and an instruction manual must accompany each delivery. The manufacturer must be clearly identified

Product Authentication

- Making product traceability reliable and tamper-proof
- Ensuring the originality of the products to customers
- Fighting counterfeiting

Accessibility of Documentation

- Making the documents accompanying the products accessible to everyone, at any time

Reducing Environmental Footprint

- Ensuring better management of documentation and packaging

Improving Market Knowledge

- Broadening and deepening knowledge of the use of lifting rings
- Enriching knowledge of customers and partners
- Enhancing the company's ability to offer innovative products



THE CHALLENGES

- Digitizing the tracing and product tracking management processes throughout their lifecycle
- Increasing the speed of processing customer and partner requests.
- Dematerializing documentation
 - reducing the use of paper for documents accompanying products to facilitate filing and archiving, and prevent document loss.
- Meeting the packaging reduction requirements of European Directive 2018/852.

THE SOLUTION

- The meeting with Telindus, facilitated by the Luxembourgish Federation of Industrialists (FEDIL), allowed CODIPRO to materialize the development of a digital tool for tracing its products.
- Telindus developed the CODITRACER tool based on its blockchain platform, TraceChain.
 - Built on Stellar blockchain technology, Telindus' TraceChain platform enables tracing of high-quality items from manufacturing to retirement, including distribution and maintenance stages.
- Integration of the blockchain solution with CODIPRO's ERP and CRM systems.
- The project had an initial duration of 9 months.
 - Deadlines were met despite the innovative nature and scope of the project.
- The development of the CODITRACER tool received a grant from the Ministry of the Economy as part of the public support program for Process and Organizational Innovation Projects.

THE RESULTS

CODIPRO now has a cutting-edge technological innovation tool, CODITRACER, which ensures the authentication, traceability, and immutability of information related to its lifting rings. The solution is accessible through two interfaces:

- A mobile application for smartphones and tablets, available on the App Store and Google Play, which provides access to technical information and documentation based on a reference number engraved on the ring. The application also allows activating the product warranty.
- A web portal which, in addition to the functionalities offered by the mobile application, allows various stakeholders in the blockchain to track the product's journey with great precision, from shipment to use, through intermediate distribution stages.

BENEFITS FOR CODIPRO

- Resource optimization
- Increase in the speed of processing requests and orders
- Affirmation of market leadership position
- Reinforcement of the image of an innovative company
- Consolidation of competitive differentiation
- Better understanding of the market and end customers
- Compliance with Environmental Directive 2018/852
- Elimination of paper support

BENEFITS FOR THEIR CUSTOMERS

- Meeting the need to constantly have information and documents related to the product being used
- Real-time updating and access to information
- Streamlining of archiving and document retrieval
- Ease, time savings, and transparency in case of inspections or audits
- Elimination of paper support

DISCOVER THEIR STORY



"The CODITRACER project had already been on our agenda for three years. From our very first contacts, the experts at Telindus understood our objectives and what was at stake in our project. It was the meeting between two leading companies in their respective fields that enabled us to design this innovative tool based on state-of-the-art technology. Thanks to Telindus' blockchain platform, we can store and transmit information about our products in a transparent, secure and unforgeable way. Today, we have a tool that meets all market expectations, whether in terms of traceability, authentication, document management or environmental footprint."

CHRISTOPHE LOSANGE - Director of CODIPRO