

Mi-Trace

Intelligent Traceability Platform

Mi-Trace is an intelligent traceability platform that tracks and traces any product or trade item(s) from multiple read points or parties. The platform can gather supply chain information from product owners, partners, logistics suppliers, warehouses, retailers, authorities, and consumers.

Overview

Mi-Trace can gather supply chain information from multiple sources, read points and stakeholders. With trade secret protection, it presents the respective information according to users' level. It also alerts any anomaly or potential risks detected by the system. The platform adopts the internationally recognised supply chain standard, Global Standard (GS1) for inter-system interoperability.

Features

Mi-Trace comprises the following features:

- Track and Trace**
 Stakeholders can monitor the product's movement, 'health' and in-transit statuses from the origin until destination. The platform also supports multi-level product packaging tracking and tracing.
- Authenticity**
 Product trails are checked and recorded ensuring their origin. Certification can be validated with the issuance body, ensuring that the product is authentic as claimed.
- Status Alerts**
 Users are alerted on product status changes due to certification or contamination or when any anomaly is detected or product withdrawal or recall is issued.
- Trade Secret Protection**
 Information is kept private to the product owners while ensuring the traceability information is available for the rest.
- Risk Assessment**
 With extension modules, the platform can be easily integrated to highlight the product owner risks. It is also equipped with Peer Group Analysis (PGA) algorithm to detect the potential risks of data outliers.

- Reversed Supply Chain (Recall and Withdrawal)**
 Guided by the GS1 standard, authorities and product owners can perform corrective measures or recall efficiently in the supply chain.

Technology Benefits

The benefits of Mi-Trace are:

- Multi-Data Carriers Support**
 Mi-Trace supports multiple combinations of data carriers such as RFID, Data Matrix, GS1-128, Databar, Barcode and QR code.
- System Interoperability**
 Mi-Trace can be integrated with any GS1-compliant EPCIS system in the world. It is also equipped with API web service readiness.
- Know-Your-Customer (KYC)**
 The platform has a built-in component of KYC that enables the product owner to allow their consumer to register on the platform, and store loyalty points and perform lucky draws.
- Blockchain Ready**
 Mi-Trace end-point can push selective information to the Blockchain while protecting private information. It can be set up to comply with MY PDPA and EU GDPR data privacy regulations.

Applications

Supply Chain Management, Traceability

