

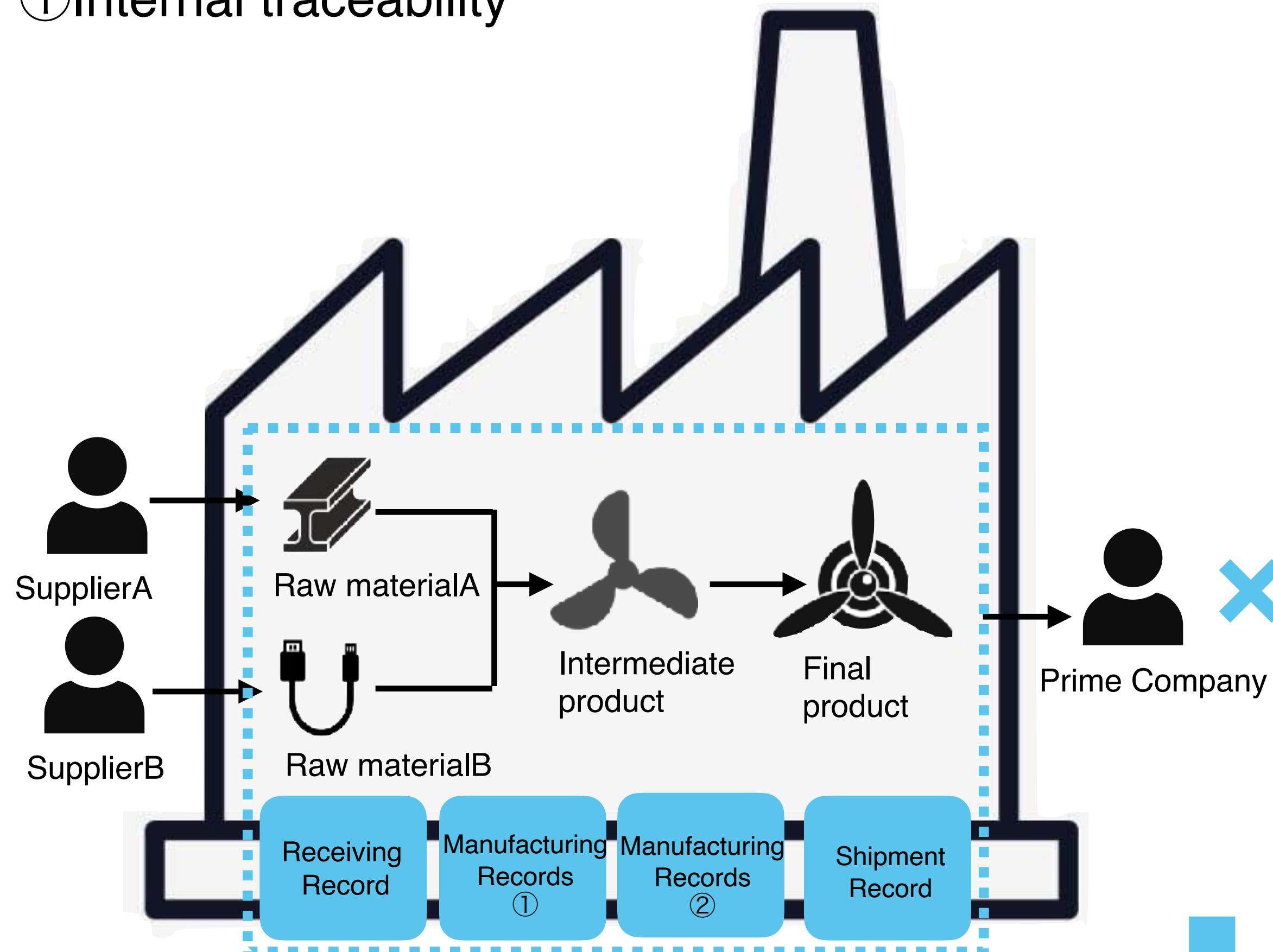


Traceability Platform Enabling
Supply Chain Visibility and Operational Efficiency

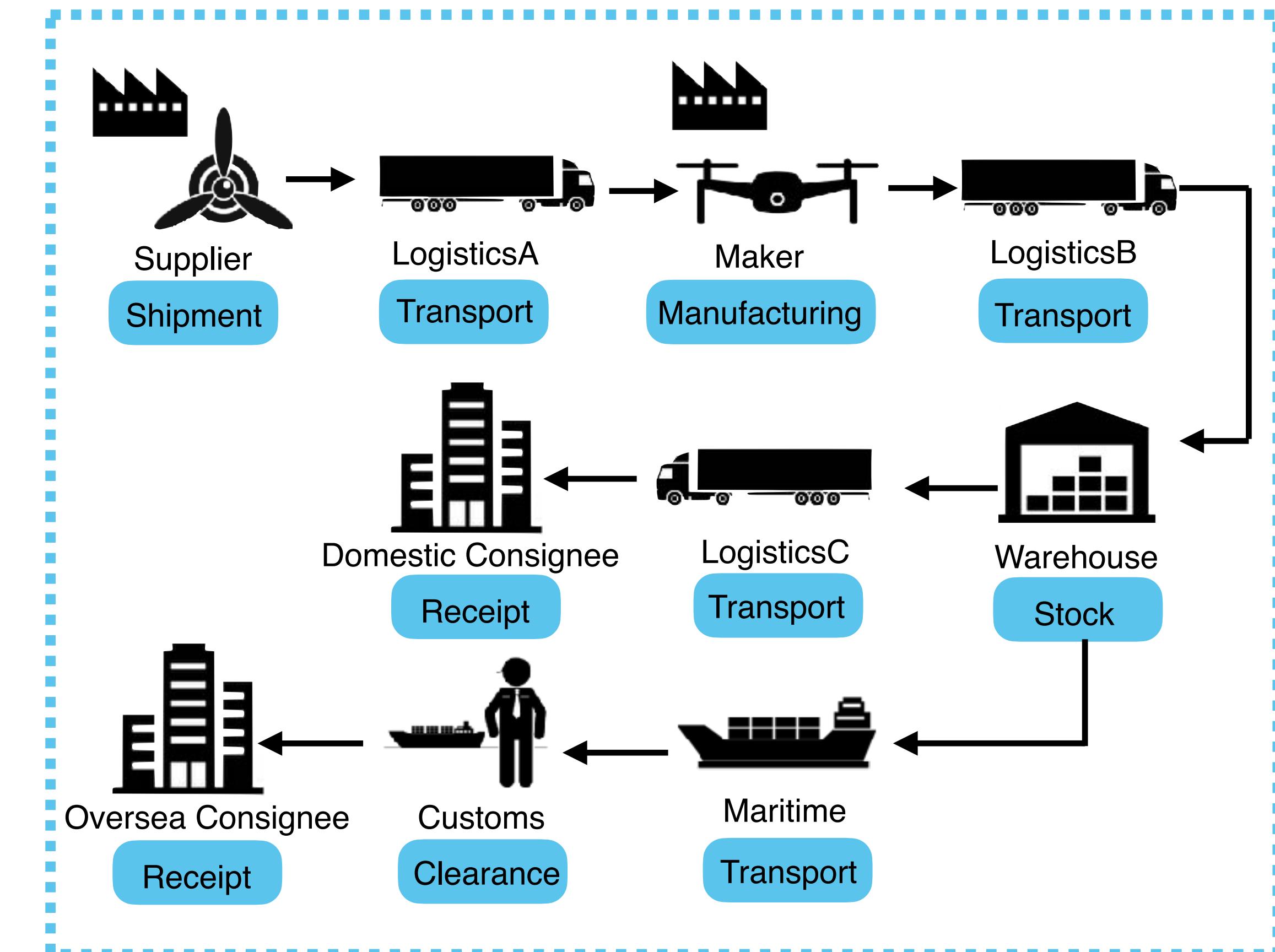
SmartBarcode[®]



① Internal traceability



② Chain traceability



Integrating internal traceability and chain traceability enables visibility across the entire supply chain.



The Next Generation of Traceability

Not only visualizing the movement of goods, but also streamlining operations while recording and sharing all necessary information throughout the supply chain.



General-purpose automatic recognition technology

SmartBarcode®

Traceability Platform



Connecting a wide range of businesses seamlessly

Freely design chains down to the arteries and veins

Record/Share information by service and location

Big Data Management

Information Access Permissions and Blockchain

Prevent human error with the Trace app's diverse features and automatic recognition technology, maximizing operational efficiency and ROI.

Read various tags with unique IDs and record/accumulate/share information tailored to services and locations via a web application.



Supported tags

QR / RFID / GS1 Symbol / Codabar / Code128,39 / EAN / UPC / R-MQR / NFC etc,

Flexible automatic recognition

Businesses participating in the traceability system can use any device of their choice, such as smartphones, handheld terminals, or RFID readers.

【Available devices】

Smartphones & Tablets



Handheld terminals (Android-based devices)

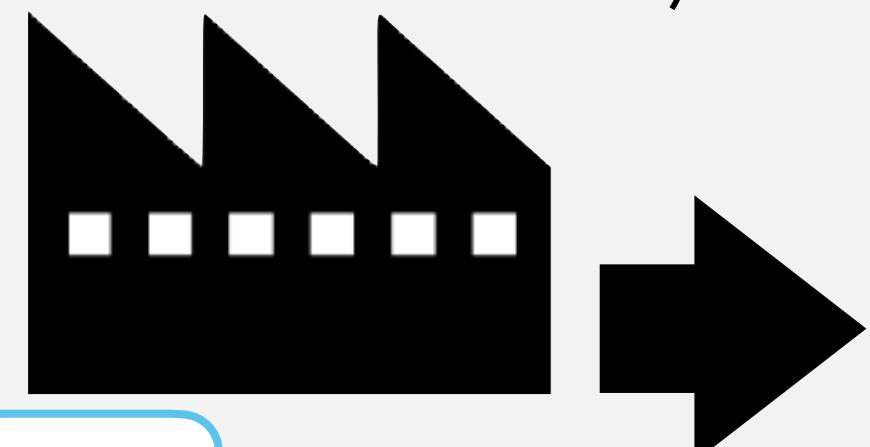


RFID Reader



【Usage Examples】

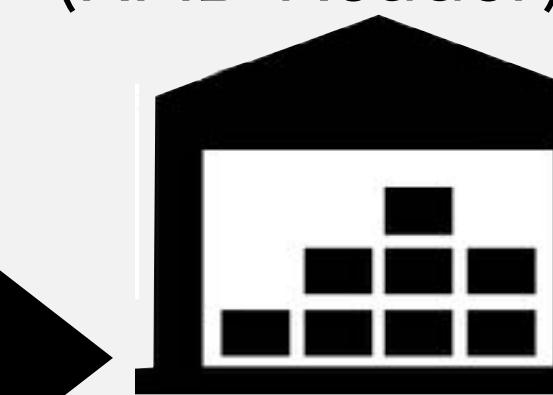
①Factory
(Handheld terminals)



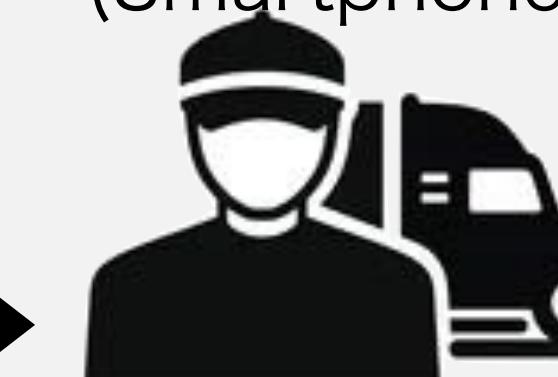
②Drivers
(Smartphone)



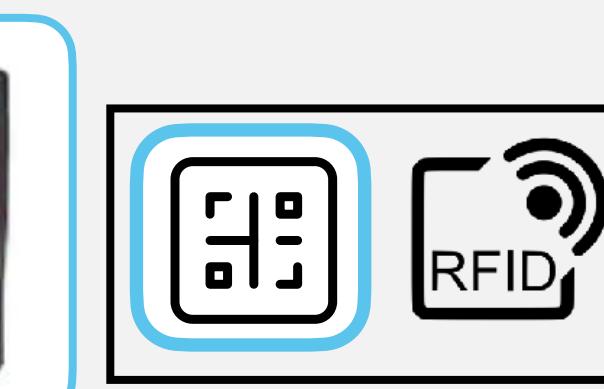
③Warehouse
(RFID Reader)



④Drivers
(Smartphone)

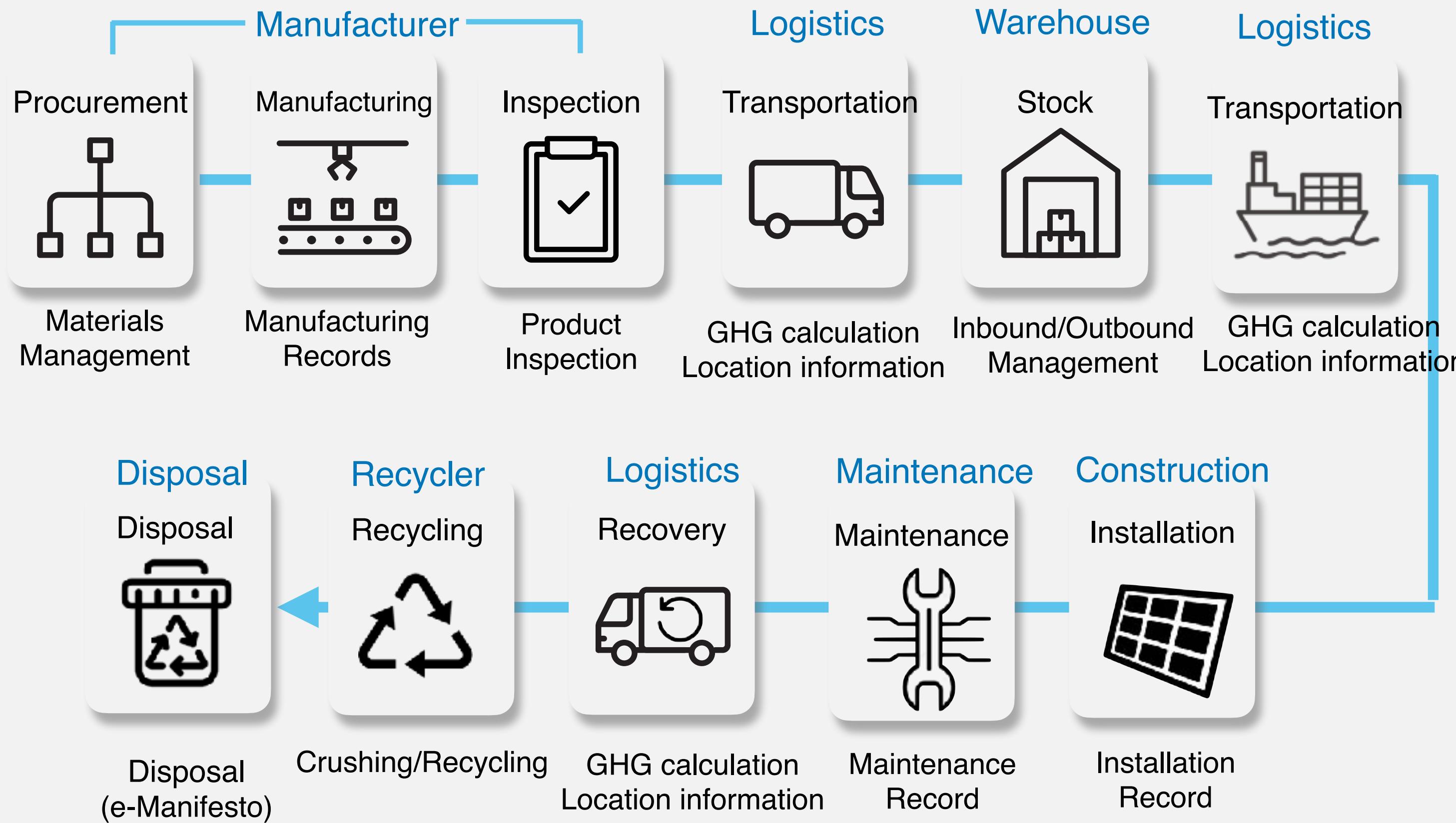


⑤Consignee
(Handheld terminals)



Trace scenarios and the information items to be recorded can be freely configured on the no-code SaaS platform, including linking to corresponding operators.

Example Trace Scenario in the Circular Economy



Screen Example
(Inspection)

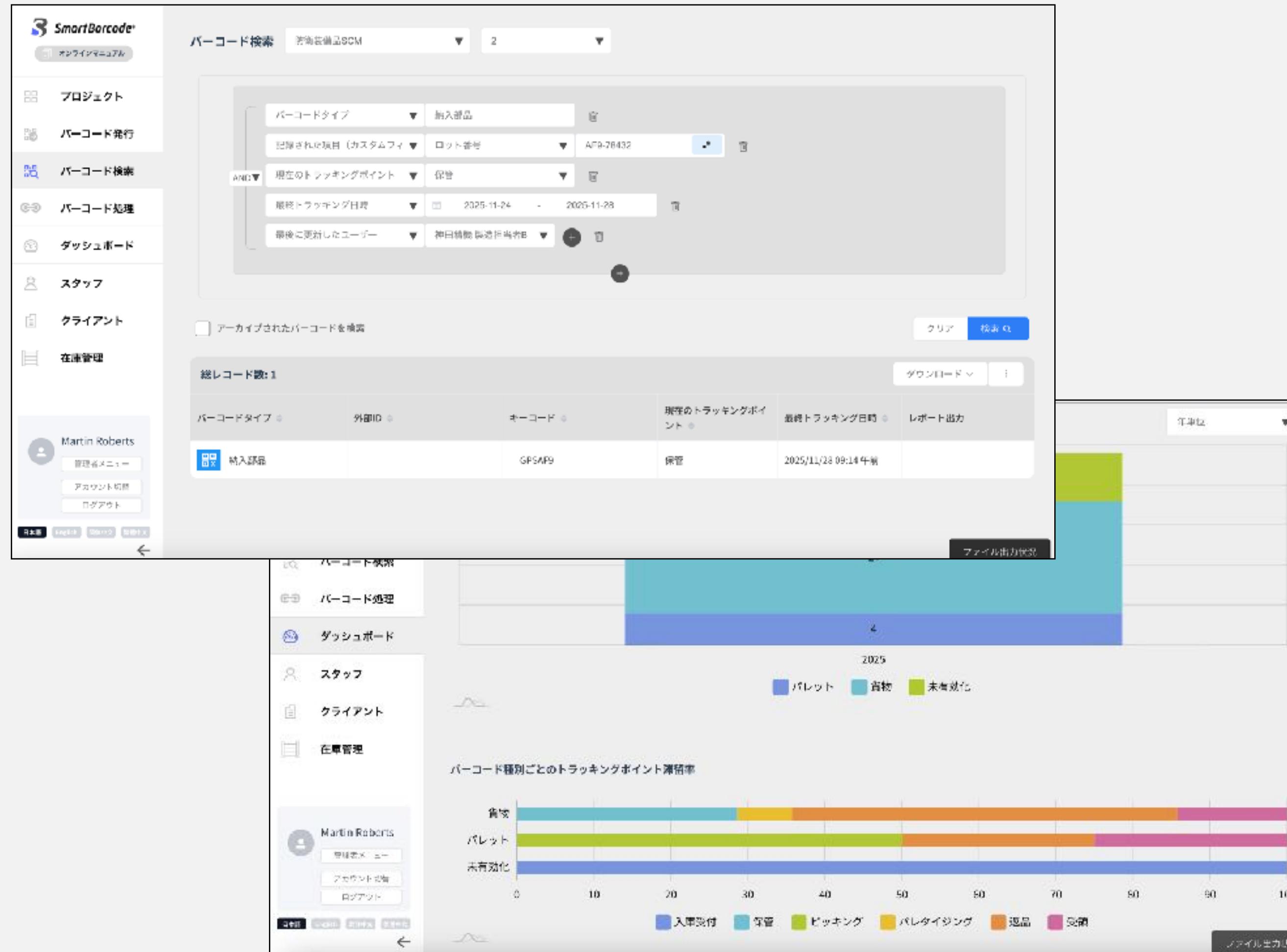


Screen Example
(GHG calculation)



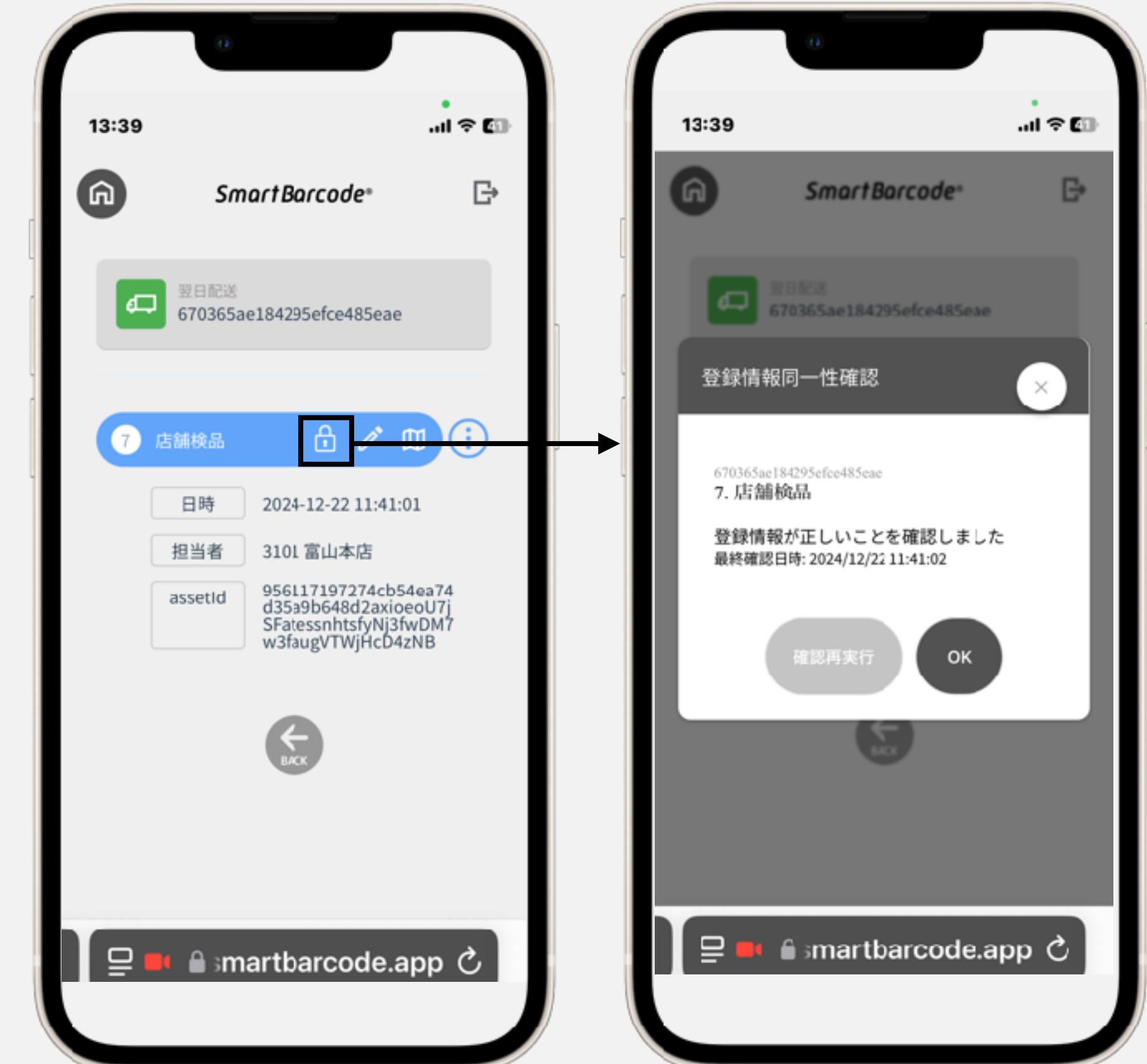
Flexible data management and secure security

Highly versatile data dashboard



The dashboard provides a comprehensive overview of barcode management. It includes a search bar for 'Barcode Search' and a dropdown for 'Barcode Type' (e.g., Purchase Item). The main area displays tracking details for a specific item (Lot Number: A79-78432, Current Tracking Point:保管, Final Tracking Date: 2025-11-24, Last Updated User: Martin Roberts). A table shows a single record for a Purchase Item with barcode GPSAP9, tracking point 保管, and final tracking date 2025/11/28 09:14午前. Below this is a chart showing the percentage of tracking points by barcode type: 貨物 (30%), パレット (50%), and 未有効化 (20%).

Blockchain-based Data Tampering Detection



Individual functions that contribute to operational efficiency

1

**Existing barcodes
(pre-printed)
can also be used.**

Existing barcodes or QR codes already applied to products can be converted to SmartBarcodes for use.
*Note: Existing barcodes must be unique codes capable of traceability.

2

Pairing function

Individual IDs can be paired by assigning “parent” and “child” concepts.

Example: Pair cargo as the “child barcode” and transport materials as the “parent barcode” to link cargo information to the transport materials.

3

Custom Validation

During tracking or pairing, compare information recorded on barcodes against specified conditions and display alert results.

Example: Display a mis-shipping alert when cargo destined for different locations is paired with shipping materials.

4

**Automatic Form
Generation Function**

Information recorded in barcodes can be generated as custom forms. (Excel template upload)

Examples: Receipts, various instructions, warehouse inbound/outbound slips, etc.

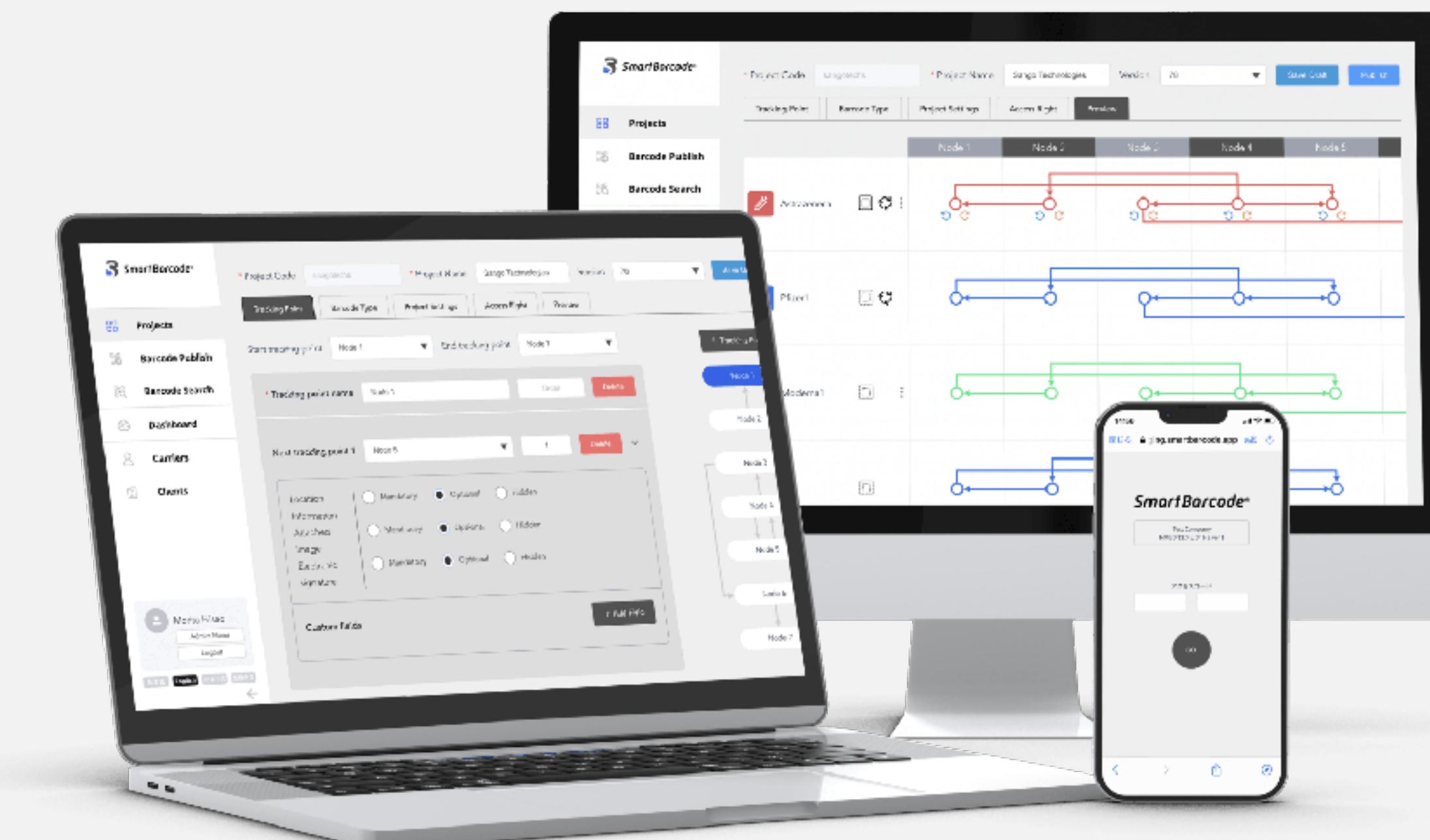
5

**Automatic GHG
Emissions Calculation**

Automatically calculates GHG emissions during transport by scanning cargo barcodes or QR codes during loading and unloading.

Also calculates combined values for multimodal transport and individual cargo emissions during joint transport.

Generate apps tailored to your company's trace scenarios without coding, while also managing trace data at an advanced level.



- 1 Building a Tracing App
- 2 Barcode Issuance Function
- 3 Barcode Search Function
- 4 Business Registration Function
- 5 Trace Data Management