



# Serialization, Authentication and Tracking Solution

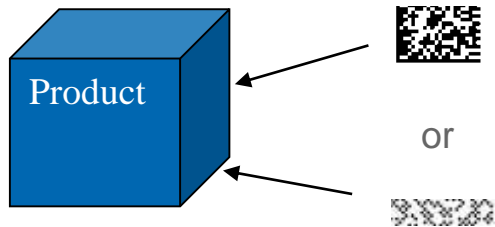
Presentation – December 2016



# Who we are

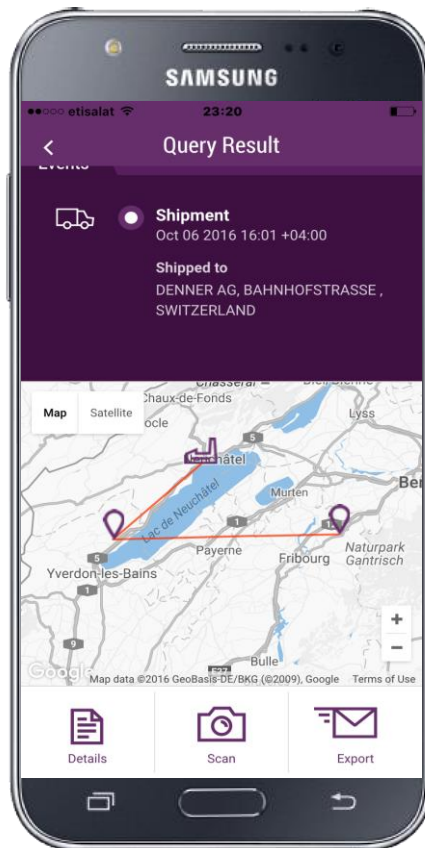
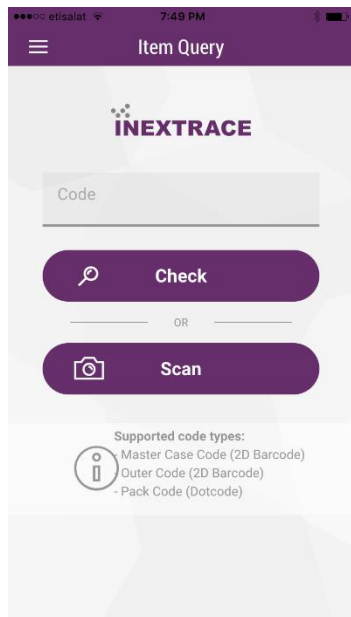
- INEXTO offers cutting edge brand protection, track & trace solutions to private companies, governments and consumers that are all looking for more transparency, safety and ethics in trade flows.
- INEXTO addresses the needs of a variety of industries (pharmaceuticals, beverages, spirits, tobacco, luxury goods) building on unique expertise in providing solutions for high speed production lines and large volume of products.
- INEXTO, based in Switzerland, is part of the group Impala, 5000+ employees, active in Energy, Identification & Security as well as Industrial Engineering.
- INEXTO has a very broad experience of implementing solutions at manufacturers as well as for Governments.

# Everyone can check product anywhere



Dedicated Smartphone app  
With full traceability data

Or through simple text  
message SMS  
on a Mobile phone

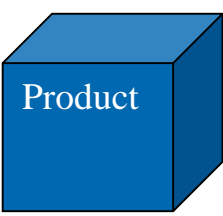


  
**INEXTRACE**  
  
**AUTHENTICATION**  
  
**TRACK & TRACE**

# Solution overview



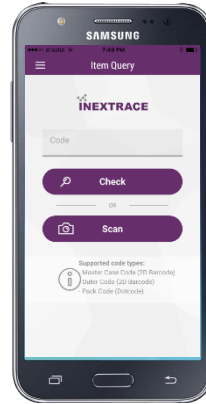
Code marked on product



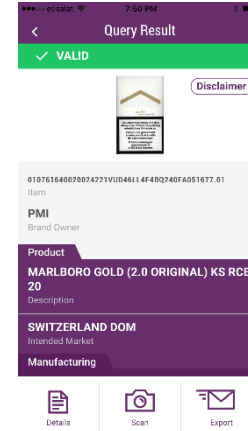
Dotcode  
2D barcode  
1D barcode  
EPC RFID

Product ID codes applied during the manufacturing process with GS1 barcodes

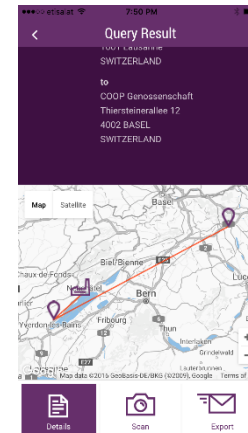
Device



Result



Authenticity



Supply Chain control  
Importation control  
Product Tracking

# Widely implemented – Proven technology

## We serve

Beer – Spirit – Luxury – Tobacco – Pharma – Sportswear

> 50 Manufacturing Centers

> 1500 tracking locations

> 1000 Manufacturing Lines

> 500 bio items in tracking DBs

> 50 bio items serialized/y

Multi bio EPCIS Event Messages

# Inexto Suite



- Marking on Goods (all packaging levels) with a **unique and secured identifier** compatible with **standard marking equipment** used by manufacturers up to 1000/packs per minute.
- Solution **proven** and **cost effective** using standard components
- Can **Track & Trace** products at all packaging levels from manufacturing **throughout the supply chain**
- All INEXTO solutions comply with **GS1 and ISO International standards** :
  - GS1 and ISO compliance for product identification (GTIN & SGTIN) and location identification (GLN)
  - GS1 and ISO compliance for interoperability (EPCIS)

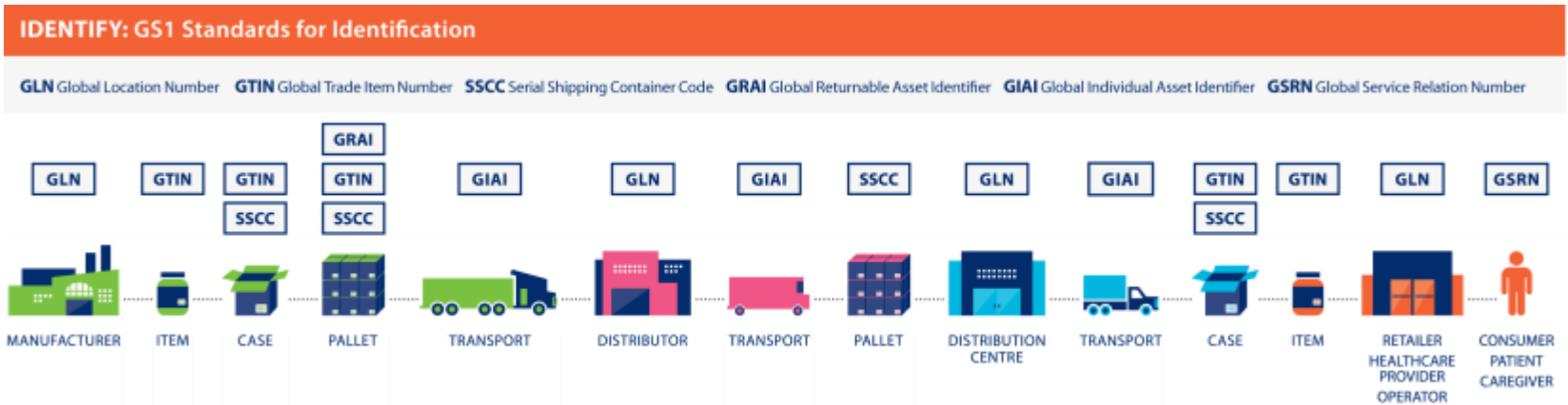
# Inexto compliant to GS1 Standards



GS1 Standards are the global language of business

A common language for **identifying**, **capturing**, and **sharing** supply chain information automatically and accurately, so that anyone who wants that information can understand it, no matter who or where they are.

THE GLOBAL LANGUAGE OF BUSINESS



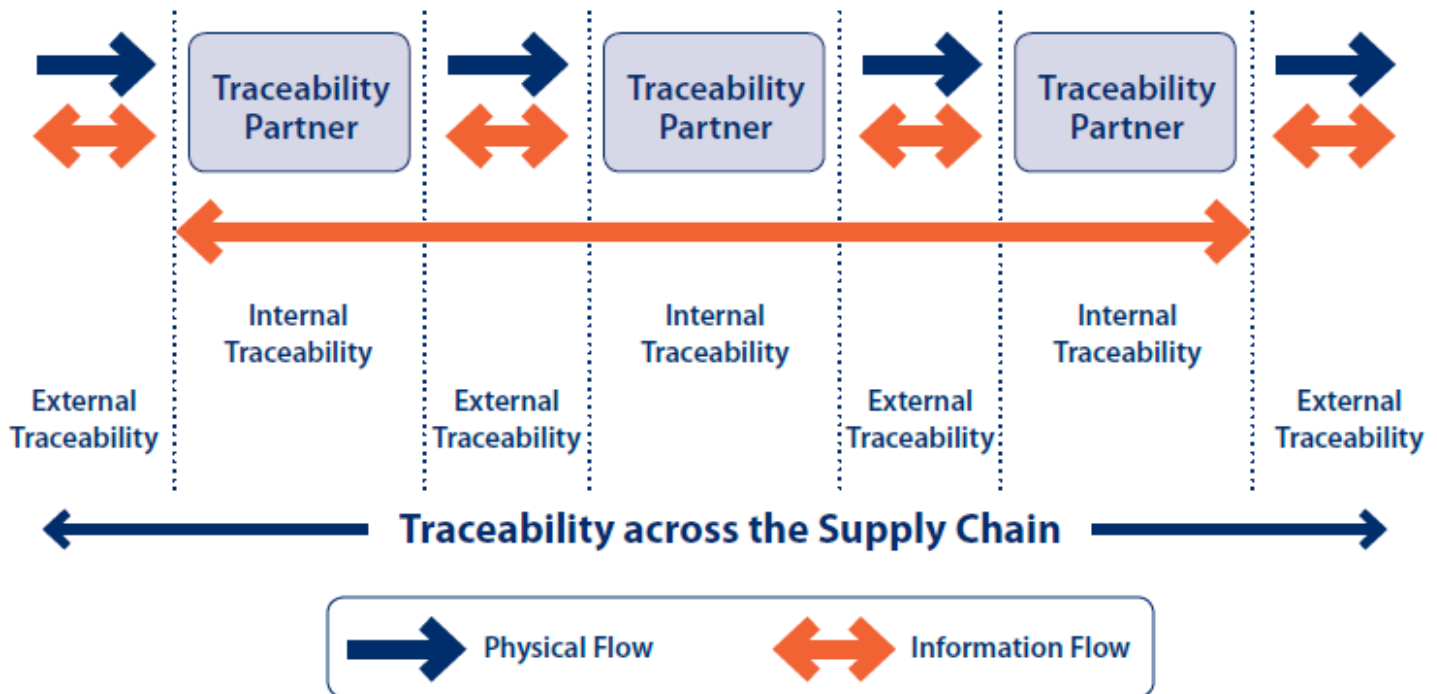


# GS1 Standards - Interoperability

**Interoperability**, made possible by **standard** :

Identification, Data capture and Interface for electronic communication

This allows product information to flow through the supply chain.





# Our solution advantages



- Smartphone App, Web application or mobile phone provide for all individual items authenticity, proof of tax paid, Tracking & Tracing information.
- System can be applied in manufacturing centers located anywhere worldwide (domestic and import using the same system).
- Everyone can verify products (law enforcement, consumers)
- Full Digital Solution



- Only authorized parties generate codes, applied during product manufacturing
- INEXTOR Serialization module is compatible with standard printing equipment
- Each item has a unique secured code





## **Codes are impossible to hack in a database**

- Only the government has all required information to verify production volumes and codes.
- Codes marked on products are securely stored in database to prevent hacking

## **Robust to data network failure**

- Data can be stored locally and later transmitted to government. Confidential information is encrypted and signed. Codes marked on products are not entirely stored in database.

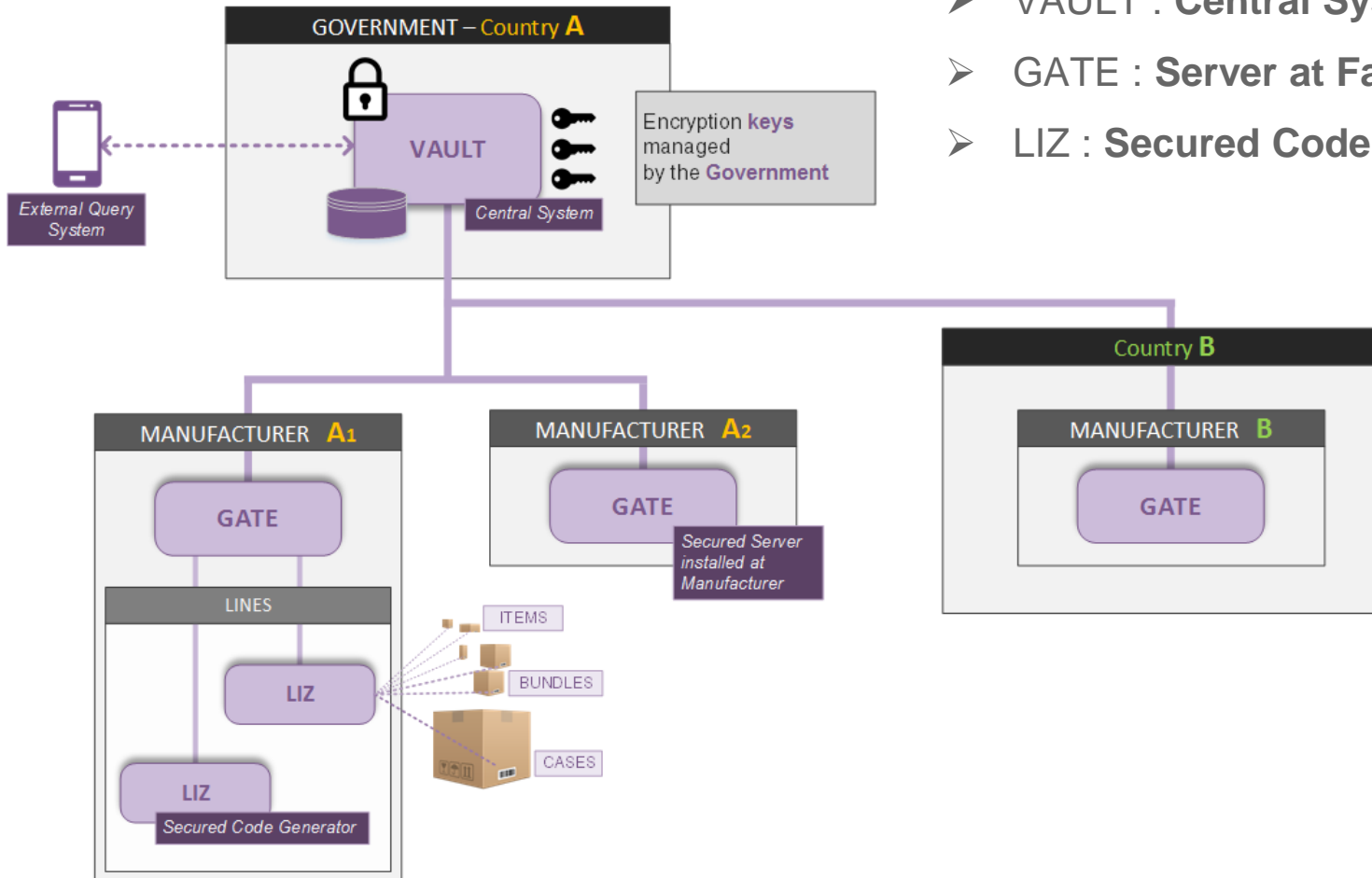
## **Machine can continue to work (limit specified in the license)**

- Any code will be reported as not reported until Government receives all information.

# Infrastructure



## INEXTOR



- VAULT : Central System (GOV)
- GATE : Server at Factory (MAN)
- LIZ : Secured Code Generator (MAN)

# Inexto Suite



## Manufacturing



Item

Outer box

Master case

Pallet

## Internal Distribution



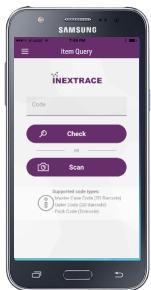
Warehouse 1



Warehouse 2,  
etc.

Aggregation & **INEXPRESS**

**INEXTRACE**  
Portal



Queries

**INEXTRACK**  
Central Repository



Reports

## External Distribution



1st Customer



2nd Customer

Retail Outlet

**uTrack**  
**INEXTEND**

# Inexto Suite



The unique large scale solution existing in the world

**INEXTRACK** an integrated Track & Trace platform

**INEXPRESS** a patented technology and software which aggregates and compresses data

**INEXTEND** a supply chain tracking system  
(Mobile – Cloud based)

**INEXTRACE** a portal providing result within a second



**Thank you!**

## Contact

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