



Tech For good. Beyond Payments.

Introduction to TX Manager

WORLDLINE 

Payments to grow your world

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Introduction to Worldline

Worldline is the largest European provider of payment and transaction services.



**Merchant
services**



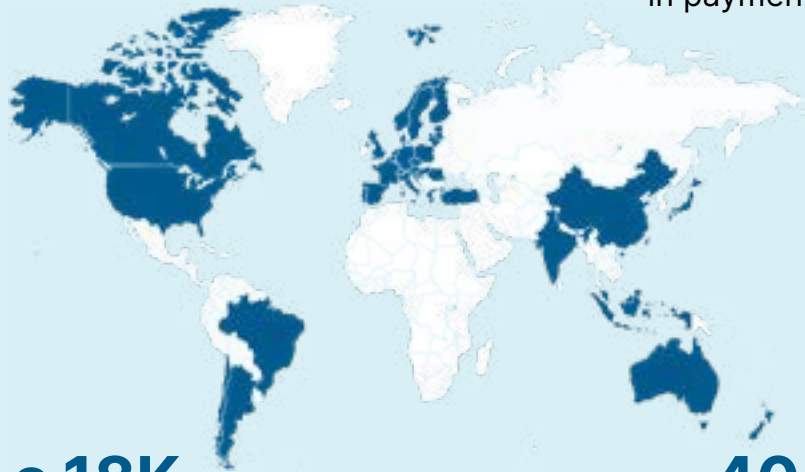
**Financial
services**



**Mobility &
e-Transactional
services**

€4.6BN
2023 revenue

+45 years
Experience
in payment



c.18K
Worldliners

+40
Countries

We are Worldline, a global leader in payments. We are shaping a new world of payments and trusted transactions. With our advanced payments technology, local payments expertise and solutions customised for hundreds of markets and industries, we are helping millions of businesses of all sizes to realise their ambitions – faster, simpler and more securely.

Visit our website to learn more

- 4th largest Payment Service Provider worldwide
- 1st acquirer in continental Europe
- 1st European payment processor

Our company's purpose is to design and operate leading digital payment solutions and engage in transactional solutions that enable sustainable economic growth and reinforce trust and security in our societies. Our solutions are environmentally friendly, widely accessible, and support social transformation.

Additionally, innovation is at heart of our raison d'être. Worldline's technology-led innovation drives value creation and benefits society at large in a sustainable way. Our philosophy of co-creation means we work closely with partners and customers to find the solutions to make their ambitions become reality. That's why, as a trusted technology partner to leading global financial institutions and e-commerce platforms, Worldline is committed to investing its R&D resources in the development of Traceability Solutions such as our Tobacco Suite, with which we are helping European countries and manufactures that need to comply with the TPD.

We have proven track records of tracing of 16 billion products and +3 billion of products events per year, bringing our European market share to 40%.

Neutral independent traceability service provider



Customizable &
interoperable solution
for local markets



Tobacco product
directive 2014/40/EU
compliant



International regulations
compliant, traceability,
not origin statement

+40%
of market share
in Europe

We track
16 billion
products per year

+3 billion
products events
per year

- Service Provider of Traceability solutions for 5 EU members states and Ecuador
- Implemented production line Anti-Tampering Devices (ATD) across European and non-European factories.

Thanks to our expertise in industrie, regulatories and frameworks in terms of methodologies, system integrations, industry knowledge and technology we have built a more generic solution: **TX Manager solution**. This is a cost-effective and comprehensive **Digital Traceability** Interface connecting Government Institutions with **Economic Operators** to simplify and secure tax declaration and related revenues.

Technically based on FCTC AIT Protocol we are capable to answer any national supply chain control and /or serialization requirements.



Solution – TX Manager

1. Solution overview

TX Manager aims to enforce the security of the tax stamps by combining the best of the digital and physical world to meet the public authorities' requirements and expectations:

- **Production / importation & exportation control:** Know precisely the amount of products destined to their local market vs the amount exported (including the country breakdown).
- **Improve tax collection processes:** Full automation of the process to lessen frauds and increase tax revenues.
- **Eliminate Illicit trade & counterfeit items:** Identify counterfeit goods with a simple scan.
- **Citizen awareness:** The embedded QR code offers end consumers quick access to valuable information about the product, which may include health awareness, rewards, or insights about the brand.
- **Marking every product:** All the products manufactured in your country are serialized even if not intended for local market. The exported products will be registered with their intended destination that will be easily checked on field.
- **Prevent forestalling:** Tax activation can occur at any point in the supply chain. While the excise warehouse may still be utilized, it could be replaced by a mandatory scanning process for pallets when they leave the factory. This approach would also allow you to monitor the flow of goods in the country with real-time visibility.
- **Agnostic support:** Unique serialization number could be printed directly on the product or on a stamp.

Business challenges & value proposition



Climate change

Worldline's digital solution, saving paper and energy on stamp production



Smuggling

Monitor the flow of goods in the country with real time visibility



Citizens safety

Manage economic operators (both local production & importation of excise goods) according to international regulations



Tax collection

Ensure correct & secure product & volume declaration resulting to increase tax income



Counterfeit

Identify counterfeit goods with a simple scan to eliminate Illicit trade



Cost efficiency

Comprehensive controls & system interoperability resulting to less admin burden & freeing resources



TX Manager provides the authorities full control of the market.

The Authority controls what is sold on his market and by whom in an easy and secure way.

Approval and control:

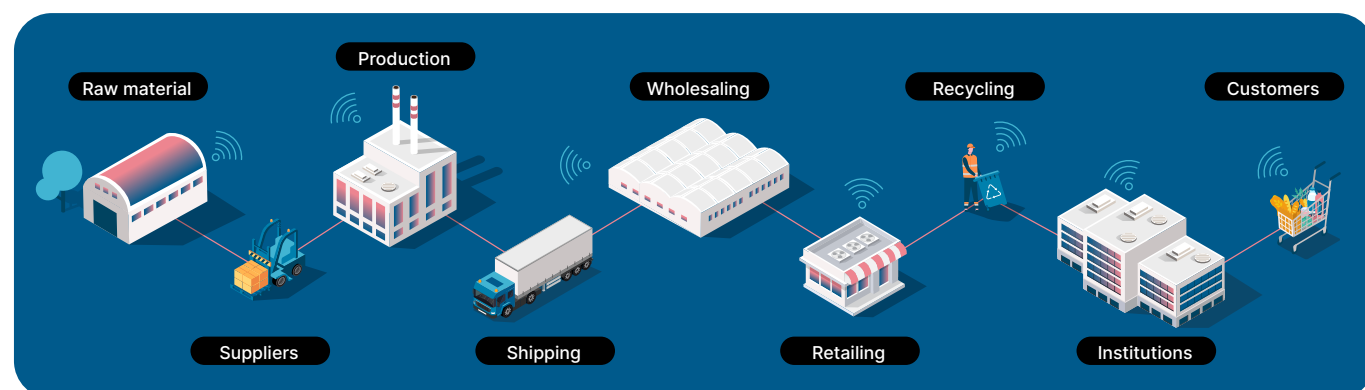
- on the **economic operators**, their **facilities** and **installations**
- of new, existing, old **products** sold on the market
- on the **production** of tax stamps & UID

TX Manager offers the requested tools to the Authority to follow-up his Market and to detect any fraud:

- **Near real time reporting**
- **Real time alerting**
- **Digital or physical tax stamps control**
- **On-field inspection reports**

Track & trace module

TX Manager contains track & trace module to follow-up tax stamps from the manufacturing to the resellers. This module can be totally or partially used to perfectly fit to the authority and market requirements.



2. Solution features

TX Manager consists of the following elements:

- **A user friendly web portal** for seamless and improved customer experience.
- **The API** to access any of the functionality provided by TX Manager to ensure smooth and smart external integration.
- **The ID issuing module (serialization)**: this asset is the solution chosen by European members states for UID issuing in the TPD context.
- **The dashboard module** for report, alerting and notifications management.
- **The central repository** to allow the traceability features and records.
- **Anti tampering device**
Used to control "inline" application process of unique codes on the product.
- **The mobile application** to enforce customs and citizen to interact with the products.



Market requirements & TX Manager modules

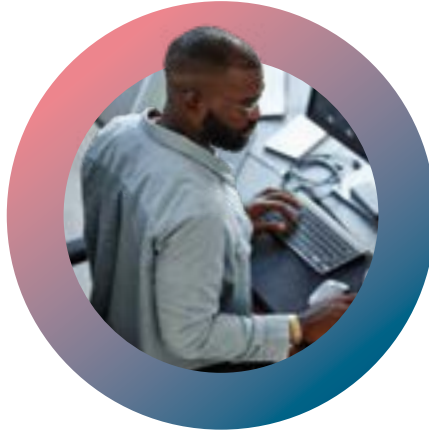
	Portal	ID Serialization	T&T Repository	Anti-Tampering Devices	Mobile App	Dashboards
Economic Operator Management	✓					
Products & Tax Management	✓					
Product ID & Authentication Management	✓	✓				
Product Traceability Management	✓		✓			
Process Control Management	✓			✓		
Citizen Awareness	✓				✓	
Data Access & Visualization	✓					✓
	Core Modules			Optional Modules		

To make it simple, TX Manager will allow:



Public authorities to:

- Register and manage every Economic Operators involved in excise tax payment
- Manage the authorisation of excised products, the volumes and the associated tax levels
- Manage the ordering of stamps and UID
- Access to alerts
- Access to reports that are tax usage oriented



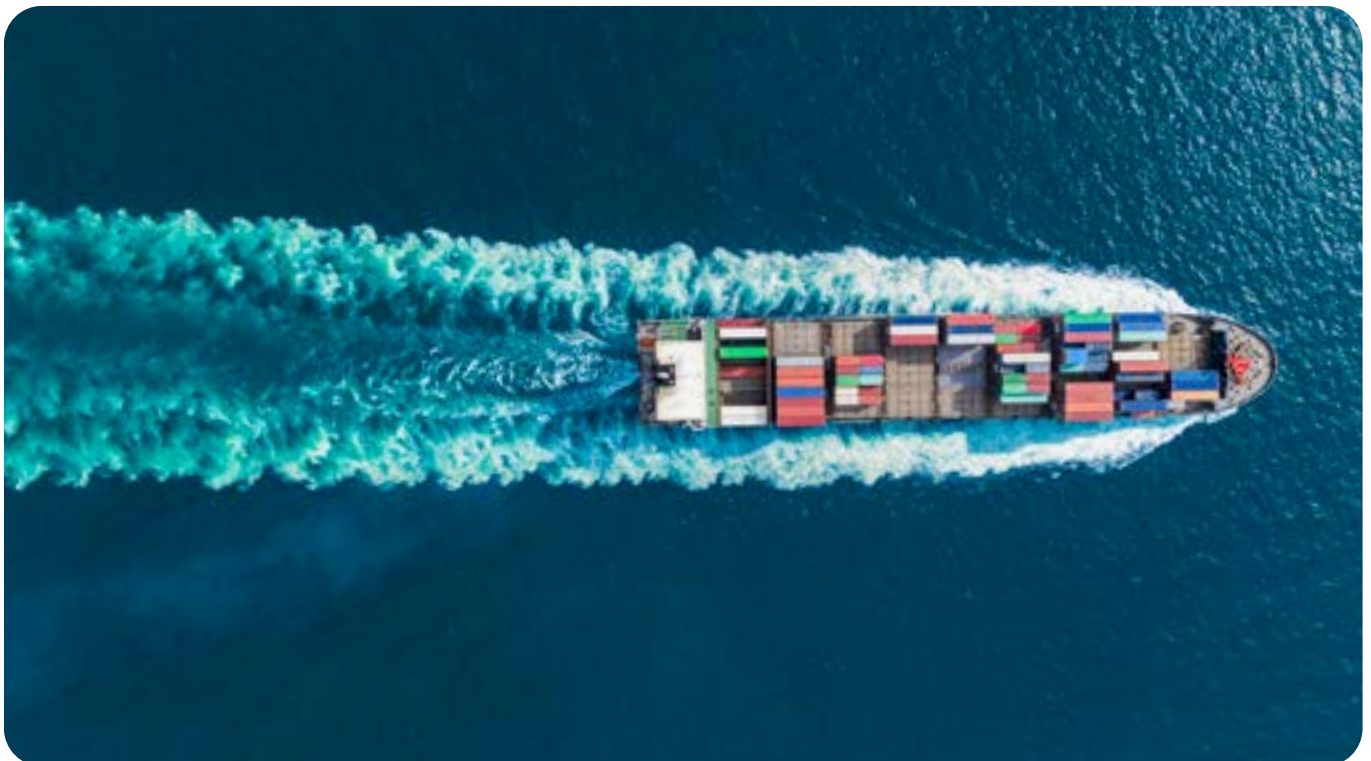
Economic operators to:

- Self-register
- Declaration of their factories, production lines and products
- Order stamps
- View the amount of available or used stamps & UID for each of his product
- Serialize products and declare related events



Enforcement agents on-field to:

- Determine whether or not the product he has in hand correspond to the product the uid was delivered for
- Verify if the related tax was properly paid or not
- Determine if the product is a counterfeit or not (for instance if the UID is not recognized by the system)
- Transmit reports and observations to TX Manager



Our experiences

Worldline has a deep understanding of the Digital Tax Management and traceability ecosystems for industry's environment.

We have accompanied, implemented and operated blueprint systems for several years in the areas of anti-counterfeit serialization, digital tax verification and track and trace.

Here are some ways we have implemented TX Manager :



Switzerland

In Switzerland, we have run a digital tobacco excise control system since 2013 for both the industry and the Federal Customs Administration with the aim to reduce the administrative burden of tax reporting.

The project was designed with both the manufacturers' and the government's needs in mind and got outstanding satisfaction ratings from both the governmental and the industry side



Lithuania

In Lithuania, we have operated a comprehensive authentication and Track and Trace system since 2013. It serves as a prime example of how to implement serialization with Track and Trace functionality in a cost-effective way to meet both manufacturers and government's needs (contribute to reducing illicit trade while increasing profitability and tax income).

Every manufacturer is obliged to select a provider to comply with this new regulation. Worldline has been appointed by a Tobacco manufacturer as technical provider for issuing the unique identifier, collecting the commissioning and nationalization events, exporting the nationalized volumes to SRI and to create the two Mobile Apps.



Ecuador

Ecuador Authorities chose to replace their existing solution based on stamp marking by the fully digital one for the high tax excised goods (tobacco, beer and alcohol).

The new regulation in force since 2022 will enforce and oblige the manufacturers to:

- Identify every product
- Provide a Mobile App (to check the proof of excise
- Export nationalized volumes to the Tax System of Ecuador SRI (Servicio de Rentas Internas) to collect taxes.

In addition to the digital marking, the Ecuadorian Authority has chosen a hybrid approach by requiring a security item on the product.

Every manufacturer is obliged to select a provider to comply with this new regulation. Worldline has been appointed by a Tobacco manufacturer as technical provider for issuing the unique identifier, collecting the commissioning and nationalization events, exporting the nationalized volumes to SRI and to create the two Mobile Apps.

In these projects, the excellent co-operation with all key stakeholders in the tobacco industry was a defining success factor. These systems implemented by Worldline strategically showcase on a global scale the benefit of digitalizing administrative processes and of running Volume/Excise Control and Track and Trace compliance systems via close cooperation among manufacturers, trade, and governmental authorities. This is what sets the Worldline approach apart from any other systems currently run in the areas of tobacco supply chain and tax compliance.

Ecuador use case: from stamp to fully digital solution!



Generate unique identifier by using the serialisation module



Collect and store data's in one unique centralized repository



Access and manage data thanks to the user-friendly verification portal



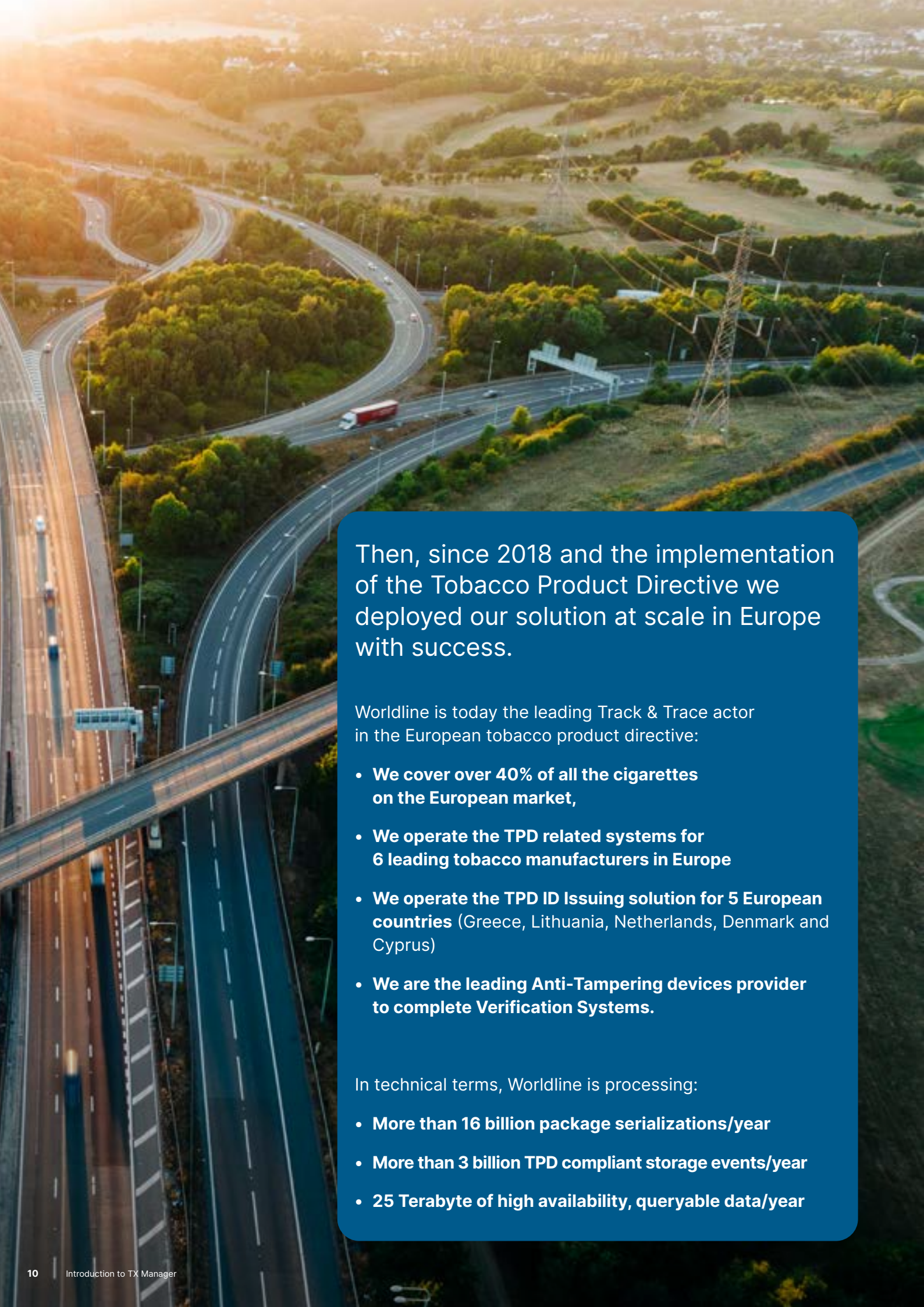
Connect to government regulated systems using our country connectors



Share evidences using our control reports module for authorities



+ Mobile app

An aerial photograph of a complex highway interchange with multiple overpasses and ramps. The scene is bathed in the warm, golden light of a sunset or sunrise, with long shadows and a hazy sky. A red truck is visible on one of the ramps, and a white car is on the main highway. The surrounding landscape includes green trees and some distant buildings.

Then, since 2018 and the implementation of the Tobacco Product Directive we deployed our solution at scale in Europe with success.

Worldline is today the leading Track & Trace actor in the European tobacco product directive:

- **We cover over 40% of all the cigarettes on the European market,**
- **We operate the TPD related systems for 6 leading tobacco manufacturers in Europe**
- **We operate the TPD ID Issuing solution for 5 European countries** (Greece, Lithuania, Netherlands, Denmark and Cyprus)
- **We are the leading Anti-Tampering devices provider to complete Verification Systems.**

In technical terms, Worldline is processing:

- **More than 16 billion package serializations/year**
- **More than 3 billion TPD compliant storage events/year**
- **25 Terabyte of high availability, queryable data/year**

About Worldline

Worldline [Euronext: WLN] helps businesses of all shapes and sizes to accelerate their growth journey – quickly, simply, and securely. With advanced payments technology, local expertise and solutions customised for hundreds of markets and industries, Worldline powers the growth of over one million businesses around the world. Worldline generated a 4.6 billion euros revenue in 2024.

worldline.com



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Production

Wholesaling

Recycling

Customers

Suppliers

Shipping

Retailing

Institutions

