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CURRENT TRL
& TARGET TRL

< 80%

PRODUCTS DELIVERED
IN GOOD CONDITION

- 60%

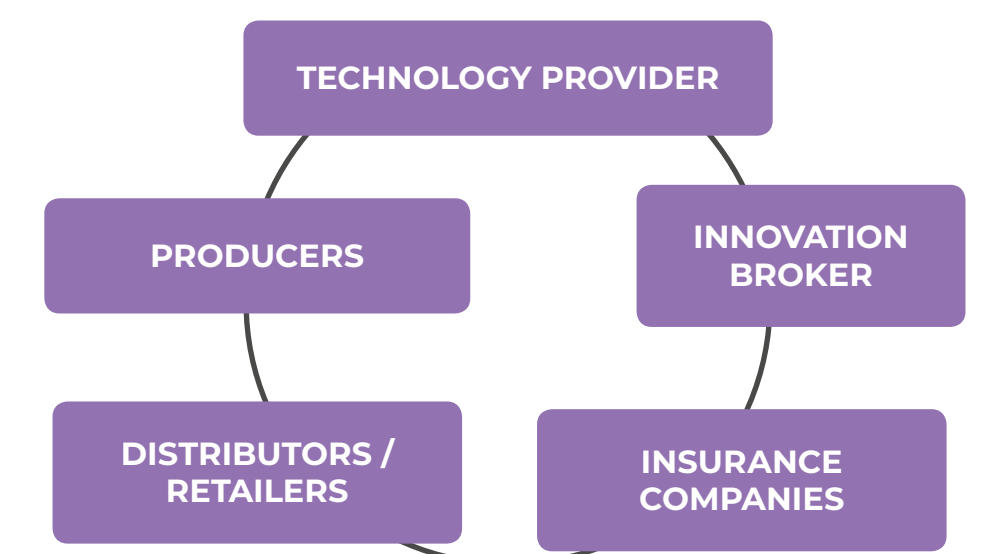
PRODUCTS RETURNED
DUE TO DAMAGE

+ 50%

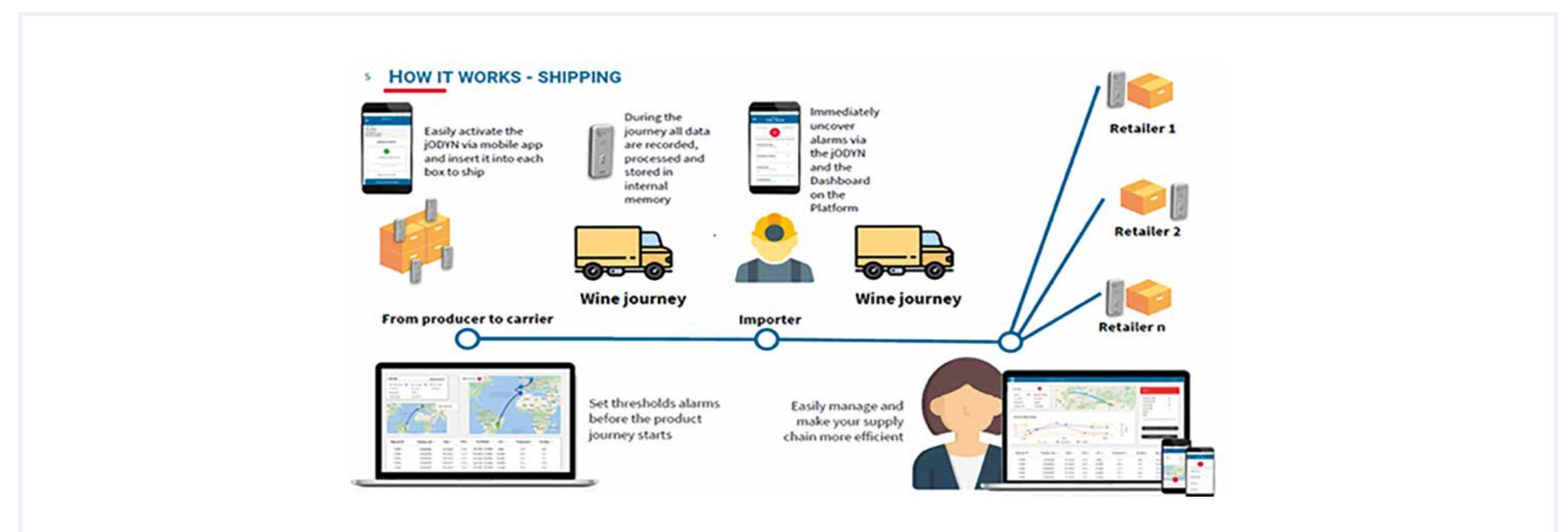
RECOVERED VALUE

3.6 BEVERAGE INTEGRITY TRACKING

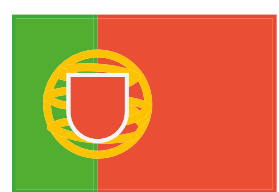
The journey from producer to consumer is a process that can negatively affect the quality of the wine. In response to this risk, this use case has created an integrated system that monitors the whole wine and beverage distribution channel to prevent damages caused by integrity-related issues and stress factors such as humidity or shocks during shipping and storage. As a result, a direct relationship between producers and final retailers is established while a large database is created to plan safe shipments thereby allowing new and customised IoT-based insurance policies.



HOW IT WORKS



COUNTRIES



PARTNERS



DATA LOGGERS monitor and record temperature, humidity, box breaching and shocks. Data are stored on an internal memory device, and wirelessly transmitted to the platform via the mobile App.

The **CLOUD-BASED PLATFORM** stores data coming from the devices, conducts elaborate analyses, aggregates trends and delivers information for decision making on customisable interfaces.

The **MOBILE APP** is the command interface of the devices: It turns them on and off, while assigning them to a specific transportation. At any time, with the data logger near, it can read every data and spot alerts.

THE IMPACT

OUR OBJECTIVES

- Reduce product damages during distribution.
- Deliver products to consumers in the best possible condition.
- Establish a direct connection between producers and final retailers.
- Build a valuable database on worldwide beverage logistics.
- Test the IoT system in collaboration with a network of about 100 stakeholders.

ON ECONOMY

- Tracking beverage conditions during distribution allows retailers and end-users to gain knowledge on the journey which in turn facilitates:
- Reduction of shipping costs for beverages.
 - Decrease of client complaints and commercial disputes.
 - Insurance coverage possibilities.

OTHER IMPACT

- Creation of a direct relationship between producer and final retailer.
- Ensure the quality of wine during transport.
- Make the wine distribution process more transparent.
- Increase consumer satisfaction.
- Reduction of GHG emission related to beverage transport.