Palletways is an express palletized freight network, which consists of 300 members across Europe. The company’s distribution networks are made up of independent transport companies who share each other’s resources to deliver small consignments of palletized freight to market.

The P.A.S.S uses an array of cameras to take a high definition photo of every consignment handled. The POD system allows customers to obtain directly (without paper) the Proof of Delivery downloading from customer’s portal.

Main advantage of POD Mobile tool is:
• Providing transparency by offering real-time information.
• Saving time and tasks in the office of each Network member.

More relevant advantages of P.A.S.S. technology are:
• Improving performance in the process of loading and unloading.
• Improving quality of service of the network.
• Reduction in cost per pallet handling.
• Viewing conditions for each of the pallets.
• Faster and better availability of information.

Moreover, with the POD technology, they can obtain their Proof of Delivery without paper.

Economic crisis started in 2008 and difficulties in transportation sector cases the necessity for companies to increase their efficiency and improve their service levels. Demand for movement of goods in Europe began to rise in 2013, and pallet volumes are beginning to rise as the economic recovery gains pace. All these factors have influenced and motivated the necessity of improving efficiency by reducing handling and delivery time and, subsequently, increasing customer’s satisfaction.

Traditionally, palletized distribution networks perform manual reads of barcodes in each pallet. Inevitably, the manual process increases the possibility of errors, which can cause major operational problems that take a long time to solve. Likewise, there is no way to capture and display information on the conditions of each of the pallets.

Some customers’ necessities were present:
• Improving accuracy and consistency of scanning process to know concrete location of each pallet.
• Displaying conditions of each pallet loaded into haul trucks.
• Improving speed and accessibility of information.
• Solving faster handling problems.
• Minimizing loss and damage into goods.

In May 2011, the company Palletways developed a new technology called POD Mobile, which offers real-time information to customers and subsequently, P.A.S.S. technology was developed in 2014 to increase level of service in transport and logistic networks, both integrated in the global ERP of Palletways company.
The Palletways Archway Scanning System (P.A.S.S) is a tool consisting of 144 scanners and 16 high definition cameras in total. A set is positioned at the entrance and exit of each warehouse. Each set features eight banks of two vehicle scanners, 16 barcode label image scanners and two high definition cameras. Both vehicle sides are covered, allowing every pallet to be recorded as it enters, goes through and leaves the site without the need to manually hand scan.

IT systems allow customers to track their consignments throughout the delivery process across Europe. For its part, Proof Of Delivery (POD) forms are scanned and sent the day following delivery. Customer can directly download this document.

The implementation process of POD Mobile System for all members of the Iberian Network took several months. Once fully implemented, it was successfully received and had a very positive development. The future of this tool involves the continuous evolution, providing dispatchers more profits as confirmation of collections, digitization of collection and delivery notes and even helps the driver with "navigation" for the entire route including distribution and collection of goods.

Related to P.A.S.S. technology, since the beginning of its operation, it has brought visibility and transparency of information in the process of tracking the goods, contributing to greater traceability and control, problem solving and minimizing handling damage to the goods.

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Main actors involved:
- LSP
- Carriers

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