



Open-Loop Plastic Pallet Traceability Solution

Partner:	Smart Flow Pooling	Application:	Open-loop traceability of logistics containers / contents
Industry:	Logistics / Supply chain	Country:	France
Market:	Europe	Technology:	RFID UHF gen2 Barcode RFIDEA management software
Website:	www.smartflowpooling.com		

Client situation and challenge:

Smart Flow Pooling is a *Pooling Operator*, meaning that it leases and manages pallets / pallet collars / plastic containers for Supply Chain with clients such as Carrefour, 8 à Huit, Ed, Champion, Shopi, etc. Smart Flow Pooling is faced with traceability challenges in connection with 3 problems:

- ⇒ difficulties to verify the location of pallets in circulation;
- ⇒ inability to identify the party responsible for loss or destruction of the pallet;
- ⇒ difficulties knowing the real rate of use of the pallet.

Solution:

- ⇒ use of resistant, clean and traceable pallets / pallet collars / plastic containers in an open loop via identification using the UHF RFID technology;
- ⇒ new *Business Model* to provide the clients of Smart Flow Pooling with a complete traceability solution with great initial investment;
- ⇒ development of a software application by RFIDEA to provide complete management of traceability which can also be accessed by Smart Flow Pooling's clients (shipment, processing, location, associated pallet products, etc.) based on a link between container (RFID) / contents (RFID or barcode);
- ⇒ "plug and play" solution in hosted mode for clients of Smart Flow Pooling (RFID connectivity independent of hardware supplier, reliable and secure connection in real time with the Smartflow Hub, zero maintenance).



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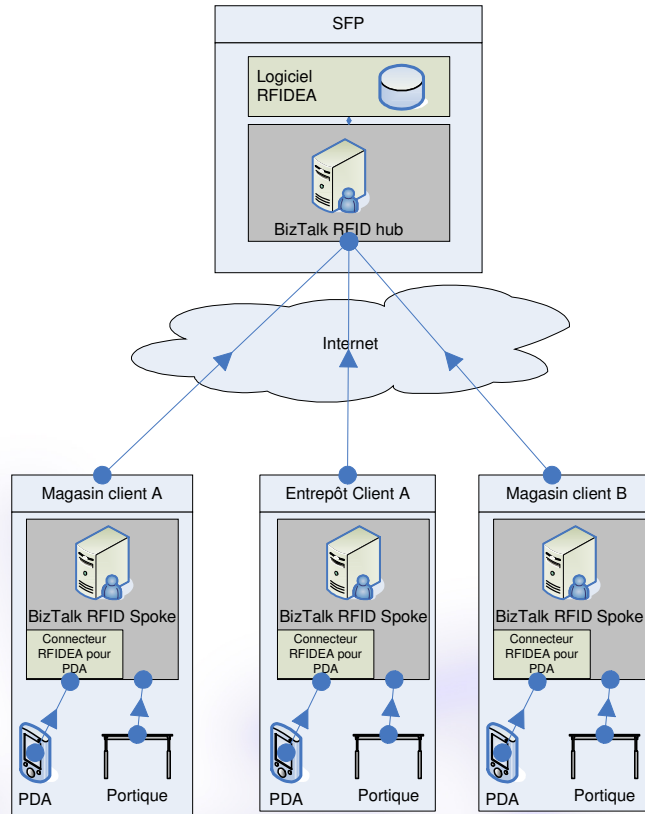
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Advantages:

- ⇒ Multi-site, multi-user application;
- ⇒ Open-loop traceability, perfect control of logistics flow for Smart Flow Pooling and its clients (location, measurement of turnover, identification of responsibility for damage in real time);
- ⇒ Reduced cost of use with lower leasing cost than that for wood pallets;
- ⇒ Reduced number of lost pallets;
- ⇒ Solution which can be adapted to existing processes;
- ⇒ Small initial investment for Smart Flow Pooling clients.

Hardware

Gen2 UHF readers and tags

Middleware

Microsoft BizTalk RFID

Base de données

MS SQL Serveur



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