

## SIMATIC RF300 USE CASE

# Support of pharmaceutical Track & Trace systems

### Task

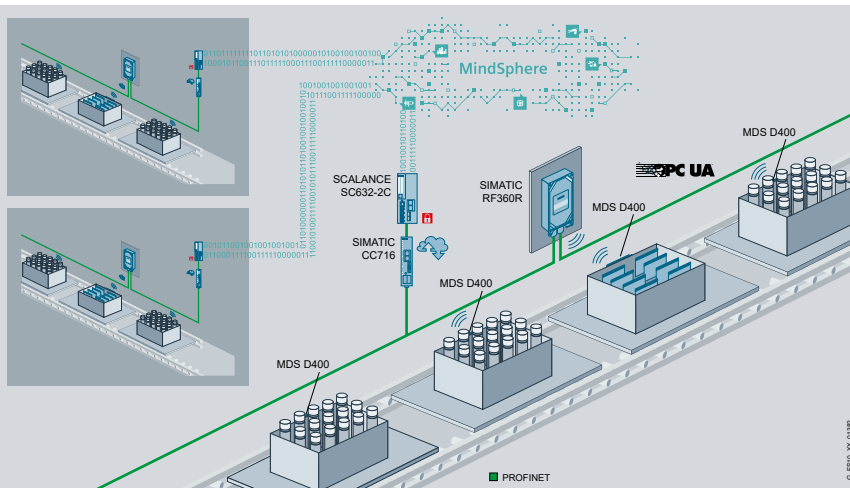
SIMATIC RF300 allows for the complete tracking of production and logistics processes in the creation of valuable and expensive pharma products (individualized therapy, chemotherapy, implants) to build an E-Pedigree – avoiding fakes and recalls after expiration time, as well as distribution and process mistakes.

### Solution

For the seamless tracking of each individual product through production or after, during logistical processes, SIMATIC RF360R readers are installed at all production and transfer locations – and MDS D400 transponders are attached to the load carriers themselves.

- Start of production → point of registration
- Process → add information
- Quality check
- End of production → handover to logistics operations
- Quality / Expiration check
- Dispatch to the next process (consumption)
- End of lifecycle

On the customer side, there are multiple ways to work with the above process – and how to share the process data for local storage or the cloud. Here, communication can be completed via OPC UA or XML. In this way, different variants can be easily initiated in the Warehouse Management System (WMS), the Manufacturing Execution System (MES) and the Quality Management System (QMS).



### Benefits

- Building of an E-Pedigree to support serialization activities within the pharma industry
- Faster processing at each production site when adopting serialization projects
- Avoidance of the distribution of suspicious products through Supply Chains (in compliance with anti-counterfeiting policies)