

## CLICK REPLY™ RFID LAYER

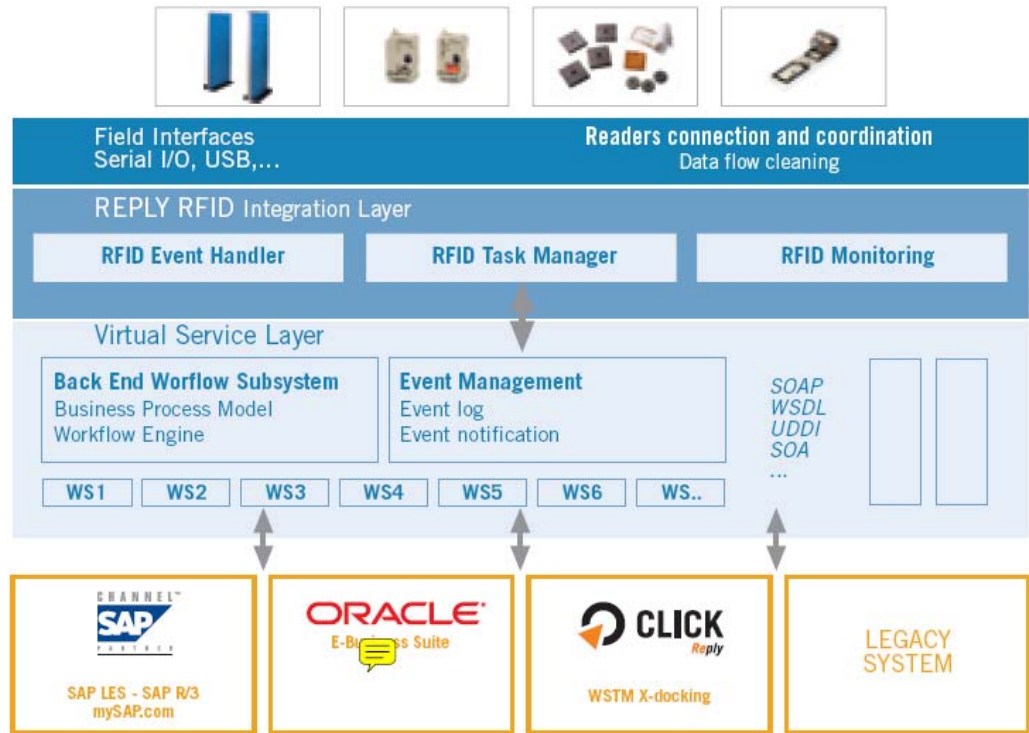
The new frontier of Supply Chain is to integrate end-to-end solutions, capable to bring down barriers among suppliers, companies and end-customers, transforming the current models into real Collaborative Networks, where a correct design and implementation of Execution components is becoming more and more important. In this scenario, in the field of Auto-ID (automatic identification) technologies, which include systems that can obtain identification data of objects and people automatically, the use of RFID (*Radio Frequency IDentification*) Labels or Tags is becoming increasingly popular.

The availability of an application framework for the management of the RFID technology means a step forward in the possibility of combined use of new wireless and mobile technologies in the real-time management and control of the supply chain, providing TAG RFID information on products, packaging, pallets or containers in real time.



For this reason Click Reply™, Reply's platform for Supply Chain Execution, was enriched with a new proprietary module, named *Click Reply™ RFID Layer*, able to easily manage and control a wide range of tag reading and writing devices, based on RFID technology.

The solution architecture, fully oriented towards services and based on open standards, enables integration with both ERP systems and SCE and MES systems.



In particular, *Click Reply™ RFID Layer* relies on four main components which manage the whole interaction with readers and RFID tags: Event Handler, Task Manager, Monitoring and Field Interface.

**Event Handler** – *For the event management, retrieval and dispatching.*

- **Defines events to manage and management rules**
- **Defines filters on event data**
- **Dispatching towards tasks and filters**

**Task Manager** – *Manages the operation and activity processes and controls the integrated transactional systems.*

- **Defines tasks**
- **Controls the workflow**
- **Collects data and performs transactions on external systems**

**Monitoring** – *Manages and monitors exceptions and alarms.*

- **Defines alarms and logs**
- **Defines monitoring**
- **Management and dispatching**

**Field Interface** – *Provides an option for connecting different TAG readers and takes care of data “cleaning”.*

## RFID BEST CASE EXAMPLES

Reply was one of the companies to invest in RFID technology, with the aim to provide companies with a complete and integrated offer: from consulting to review operating process, to the development of a specific project methodology, up to the definition of an application framework - *Click Reply™ RFID Layer* – able to simplify the system integration activities.

### **AUTOMOTIVE // SPARE PARTS MANAGEMENT**

The Italian branch of one of the main car manufacturing companies worldwide, together with @logistics Reply specialists, decided to consider the introduction of RFID technology within its own spare parts management processes. By applying RFID Tags on the metal cages on which the parts and materials that are moved within the warehouse are placed, it was possible to significantly improve both operativity and spare part tracking. The project, which followed a complete field-test aimed at assessing on site both the scenario as well as the best tag mounting modalities (use of insulating spacers for metal cages, most appropriate positioning), concerned the configuration of new RFID Devices and their subsequent integration, based on *Click Reply™ RFID Layer*, within the existing warehouse management system.

### **FASHION // PRODUCT TRACING AND CAMPAIGN INVENTORY MANAGEMENT**

An Italian group, world leader in the manufacturing of jeans, casual wear and accessories, chose to implement an RFID pilot system to trace product movements in order to guarantee their originality and to render the operation process of preparation and shipping of sample collections safer and more efficient. During this project, which makes the *Click Reply™ RFID Layer* framework the engine of the new system, Reply worked in close contact with the client, in order to find the solutions which could best satisfy the specific requirements with regards to Tags (resistance to repeated washing and ironing, compatibility with the product design, and removability after purchase), RFID readers, as well as to define the technology and application component able to ensure monitoring of 100% of the sample collection through individual reading of the garments, to be performed during the packaging phase.

### **HEALTHCARE // INSTALLED BASE MANAGEMENT**

Reply has developed a *Click Reply™ RFID Layer* based solution for the management of equipment hiring for hospitals and nursing homes, for a multinational company operating in the bio-medical sector. In order to ensure high quality service, complete safety, efficiency and speed, the company must follow the whole life-cycle usage of each device by certifying all inspections and sanitization cycles performed on the equipment. Reply has developed a value added logistics system, equipping each product with a different tag, according to the different treatment it must undergo. The process progress is constantly monitored, thus reducing the risk of errors. Moreover, the integration with the CRM system allows real time update on the availability status of the warehouse.

## OFFER

The @logistics Reply offer is developed around four main business lines:

- Creation of Application Solutions based on its Click Reply™ proprietary suite, developed according to the most innovative and consolidated information technologies, able to ensure the complete visibility and traceability of logistics processes. The Click Reply™ suite, designed on a fully Web based architecture, consists of the following modules:
  - Click Reply™ Warehouse Management
  - Click Reply™ Transportation Management
  - Click Reply™ Proof of Delivery
  - Click Reply™ Shop Floor Control
- Logistics Consultancy and Proof of Concept, on processes, resources and the new technologies available on the market: RFID, Vocal Technologies and Mobile Devices
- Back End, Networking and Front End infrastructure planning
- Facility and Application Management of the solutions, regulated by operation and qualitative SLAs



@logistics Reply is the Reply Group company that, in the field of Supply Chain Execution, offers its clients a wide range of state-of-the-art services and solutions, ranging from the logistics process design to the planning of turnkey application solutions up to the introduction of new innovation technologies.

@logistics Reply bases its execution logistics integrated solutions on its Click Reply™ proprietary suite. Over 200 companies and over 8000 users utilize and integrate solutions based on the Click Reply™ suite in their logistics Value Chain.

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