

## RFID solution for barrel management

### The ultimate evolution of labelling

#### WHY ROTAS?

- ▶ Since 2000, Rotas has been manufacturing labels, cards and badges with HF and UHF RFID tags. Active tags are also available.
- ▶ Rotas has a production facility which is unique in Europe for high volumes, low costs, and quality assurance.
- ▶ Rotas employs the state of the art technology (Class1 Gen1, EPC certified) for customised applications, successfully operating even in extreme environments and conditions. Formats and frequencies are available to meet the standards of every part of the world
- ▶ THYSSEN KRUPP selects Rotas to solve a safety issue. DHL selects Rotas for logistics optimization. G8 ENERGY MINISTERS MEETING 2009 selects Rotas for access control...
- ▶ Rotas employs an integrated approach to packaging solutions. It handles a problem analysing it in all its different elements, each single component and all their technical correlations.



#### BENEFITS

- ▶ Barrel management optimization
- ▶ Barrel tracking and traceability
- ▶ Information reliability
- ▶ Real-time information
- ▶ Error reduction



#### HOW IT WORKS

Barrels are identified by applying a RFID tag to each one, and recording them in a database. When a barrel passes through a new step of the production process, the **tag** is read by a manual or automatic **reader**. A **software** makes it possible to access to real time information about a single barrel or a group of barrels in each phase of the production process (single barrel location, in-and-out times from one phase to another, how many barrels and what barrels are currently in a specific phase, if and when special checks are required, etc). This system can be shared among different wine-making facilities, unified and accessible from any internet connection.



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