

RFID for Technical Equipment Rental



RENTAL OF TECHNICAL EQUIPMENT

Our customer is an international company which rents out industrial equipment such as generators, battery and energy storage systems, cooling and industrial heating equipment.

This equipment is used to provide power or heating and cooling to temporary sites such as construction sites, festivals and events, but also to data centres or manufacturing industry.

This equipment does not operate stand-alone. Generators need fuel, hoses to transport the fuel to the generator, power cables, distribution panels, control equipment and cabling. If a single item is missing, operation is degraded.

Furthermore, all these items need maintenance, and inspection. The end user must be able to prove to the authorities that the equipment has the required safety and inspection certificates.

In the past, customer service fielded many customer calls requesting these certificates for equipment delivered, and sent these via e-mail. A costly, time consuming and error prone process.

At delivery of the equipment to a site, all items are logged at serial number level. At pickup, sometimes many months later, the completeness of the equipment must be laboriously checked.

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* Available in: Agent, Barcode, Description, Creation date, modification date

Your filters for this table search:

ID	Code	Description	Dimension	Length	Inspection date	Expiry date	Status	Type	Latitude	Longitude
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Fotos: Customer

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EASY LOGIC

SMART ID SOLUTIONS

EASYLOGIC SOLUTION

EasyLogic developed a solution for our Customer consisting of scratch resistant PVC labels with product codes, barcode and a QR code, combined with a UHF RFID tag.

The labels are intended to be used with hoses, cables, panels and other equipment smaller than a container sized generator or fuel tank.

In addition EasyLogic provided an application on a handheld RFID scanner, allowing scanning of items using RFID or barcodes during delivery and pickup of equipment. The GPS location is added to the location of the item automatically, and stored in the EasyLogic Track and Trace system (ETT).

When equipment is serviced, repaired, or inspected and certified, the inspection certificates are uploaded as a PDF into the ETT, with the equipment identifier. Any end-user can scan the QR code on the label with their mobile phone and the related certificate will be available after providing login credentials.

DELIVERY AND PICKUP

The handheld RFID scanner is used to scan all the items during delivery and records that these items are unloaded at a particular site. During collection of the items, they are scanned back in and a "difference" list is immediately available so that missing items can be located.

REPAIR AND INSPECTION

During the goods-in procedure at the warehouse items can be marked for repair. The ETT system can also prevent items from being shipped to customers when they are due for inspection during the expected rental period.

Items required for inspection can be located quickly in between all the other equipment using the RFID item locator function of the handheld.

