



COMUNE DI FIRENZE

Consiglio di Quartiere 4

Assessorato alla Partecipazione Democratica,
ai Rapporti con i Quartieri, Nuovi Stili di Vita e Consumo Critico

In collaborazione con ARSIA
e Laboratorio congiunto Università Impresa GEMMA VERDE

Macchine per la manutenzione del verde

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Con il contributo di:



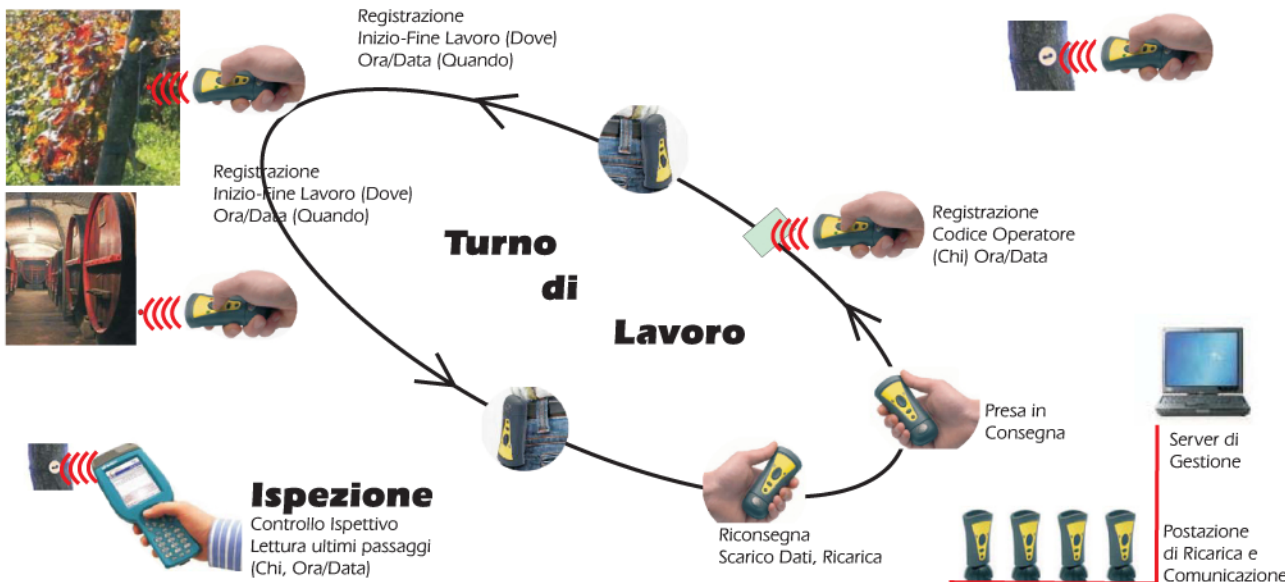
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WorkForce Control

Monitoraggio Attività Agricole

Le nuove tecnologie RFID applicate al controllo delle attività itineranti, un sistema automatico per la raccolta delle informazioni capace di fornire dettagliati report di controllo con precise risposte alle domande: Chi, Quando, Dove.
Un sistema basato sull'uso di robusti terminali di raccolta dati, capaci di Leggere e Scrivere informazioni su supporti Tag RFID appositamente distribuiti sui luoghi di lavoro.
Le informazioni vengono trasferite al sistema al rientro dell'operatore attraverso una connessione USB di comunicazione e ricarica; su ogni Tag vengono comunque memorizzate le informazioni relative alle ultime attività svolte (Chi, Quando) per consentire un successivo controllo ispettivo.

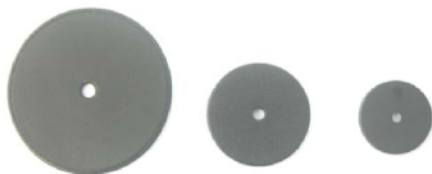


WorkForce Control

Monitoraggio Attività Agricole



Tags



Server di Gestione



Postazione di Ricarica e Comunicazione





Automatic identification of grape bins with TagMaster's long-range RFID system

Summary

A leading Australian wine producer has implemented the TagMaster RFID system in the grape collection process. The system automatically allocates weight data to the individual grape bins, ensuring accurate records and improved overall system efficiency.

Challenge

The wine producer needed an automatic identification system that could identify the approximately 3,000 grape bins at long range with high precision. The system also needed to be easily integrated with the grape scales for matching of weight with each grape bin.



Products used:

S1500 WiseMan Reader
S1455 MarkTag HD

Solution

The solution was to use the long-range, 2.45GHz RFID system from TagMaster. Readers were mounted by and integrated with the scales, capturing the ID-numbers along with the weight data of the grape bins as they arrive from the vineyard. About 3,000 grape bins were equipped with TagMaster ID-tags on the side. The system is also used for tracking and storage of the containers used in the grape collection process.

Conclusion

As a result of the automatic matching of bin-ID and the bin-weight, the winery management has improved the weighing process and has also improved the overall system efficiency. The TagMaster system was successfully implemented and saves time for all producers delivering grapes to the winery.

A large agriculture co-operative has installed the TagMaster RFID system at their grain collection centre outside the city of Metz, France.

Summary

The farmers in this region supply their loads of grain to the Co-operative collection centre outside the city of Metz. The deliveries are weighed and analysed. On arrival, the farmer registers and receives a TagMaster ID-tag.

The TagMaster readers have been installed by the grain analyse station, by the weighbridge, by the six unloading points as well as by the registration office.

Challenge

During the hectic harvest season, the agricultural co-operative experienced significant problems with congestion around the collection centre. The registration process at the entrance, the weighbridge and the grain analysing points were all manually operated causing delays for the farmers due to the inefficient documentation procedures.

Solution

A total of nine S1501 PassMan readers were installed at the collection centre: by the registration office, the weighbridges, the product analysing station and by the unloading points. All trucks unloading grain at the centre receive a 1255 MarkTag that is placed in a holder inside the windscreen. The vehicle and grain load is automatically identified by readers mounted by the weighbridges. At the end of the unloading procedure the driver returns the ID-tag and gets the automatically created delivery documentation by the registration office.



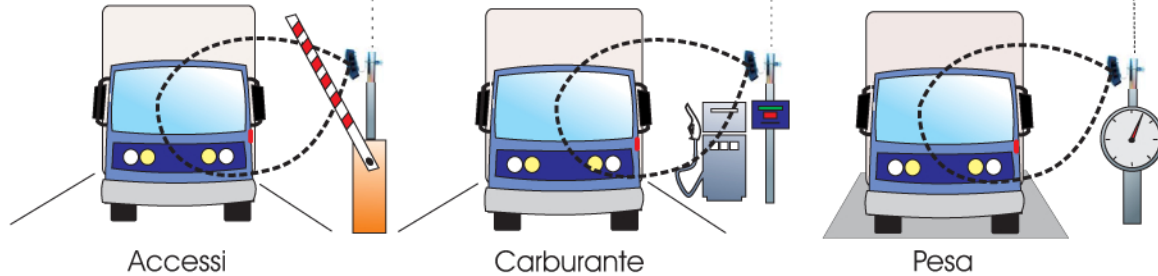
Conclusion

The TagMaster system forms an important part of the logistic system at the grain collection centre. The turnaround time for vehicles unloading at the centre has been drastically reduced and the automatic identification system eliminates human errors in the delivery and documentation process. The new system has also resulted in reduced overhead costs at the co-operative centre, which is accessible 24 hours a day during the harvest period.

Products used:

S1501 Reader
S1255 MarkTag

Identificazione Automatica di veicoli su postazioni fissa: Varco Accessi,, Erogazione Carburante, Pesa - Tag laterale.



Controllo Erogatori
Attivazione autorizzata
Conteggio litri erogati
codice conducente
chilometri percorsi



ID Veicolo
Controllo Autorizzazione
Associazione Pesata
Gestione via libera