



trace r&d | 2009



For : Health | Safety | Efficiency | Control








AGRICULTURE




AUCTION




TRANSFORMATION

Livestock Traceability Solutions

Hubtechnologi develops turnkey solutions for leading organizations in:

- Private sector
- All levels of government

Solutions offered include:

- Network infrastructures
- Mobility solutions
- Software applications
- Hardware solutions
- Cost reducing solutions in communications

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Proper containment requires ...



- Rapid intervention
- Proper traceability
- Precise identification

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Manually performed tracking:



- Provides no real-time information
- Slow & cumbersome
- Inefficient
- Leads to lengthy delays
- Prone to human error
- Is reactive in nature

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RFID based real-time monitoring



Providing:

- Electronic data capture
- Wireless updates
- Real-time information
- Secure management
- Increased safety for drivers
- Assistance in food allergies

Status information is updated from “birth to plate” & centrally stored.



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At the farm...



Individual heads of cattle & sheep can be RFID tagged as early as 4 weeks of age.

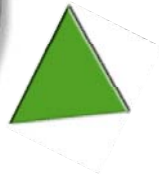
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At the farm...



Individual heads of cattle & sheep can be RFID tagged as early as 4 weeks of age.



A farmer, using the software bundle solution, can scan the animal's tag & transmit the information to the ATQ Server.



Trace IT software bundle

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Transportation



The driver arrives and uses his Trace It enabled wireless device to scan RFID tags of animals to be loaded or off-loaded.

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Transportation



The driver selects loading or off-loading module.



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Transportation



The driver indicates the pick-up or drop-off (if off-loading) location.



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Transportation



The RFID tags are scanned during loading.



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Transportation



The RFID tags are scanned during loading.



OPTION 1:

Scanned using a fixed panel reader installed on the truck

OPTION 2:

Scanned using a mobile device

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Transportation



The system also allows manual tag number entry.



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Transportation



A receipt is issued by the driver (printed on a mobile printer).



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Transportation



Data is transmitted to ATQ computers via wireless system.



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The process is then repeated at every step in the supply chain...



So that a complete chain of custody & origin is established.



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Hubtechnologi wireless systems are also capable of providing functions such as:



Contact Information



2040, Marcel-Laurin Blvd., Suite 200
Saint-Laurent (Québec)
Canada H4R 1J9

(514) 664-1024 ext. 100

victor.darias@hubtechnologi.com
www.hubtechnologi.com