



RaFid RFID Animal Traceability

Complexity to Simplicity



www.hanainnosys.com



Old Technology

Low compatibility

Does not support multiple technology platforms
Additional investments result in trivial improvements

Low Security

Data security is compromised
Does not have user authentication protocol

Low Efficiency

Manual data input allows space for human error
No consolidated database



RaFid Solution

Total Solution

Provides a complete solution for the Producer, Processor and Consumer. Keeps every aspect of the production-consumption chain in perspective
Provides a tool for intelligent and real time management

Technology

Supports multiple technologies; Visual, Barcode and RFID
Supports multiple products; Tag, Reader and Database

Integration

Scanning location information
Automatic simultaneous data update
On-the-spot print out
High level of user authentication
Bar code, LF, and UHF scan in one

Secure System

Uses highest security protocol for data transfer
No manual data input; does not permit data manipulation
SISBOV compliance, USDA Certified device



Benefits

Easy to Adopt

User friendly and simple operation
Can easily be implemented with current system
Only need one device for multiple tasks

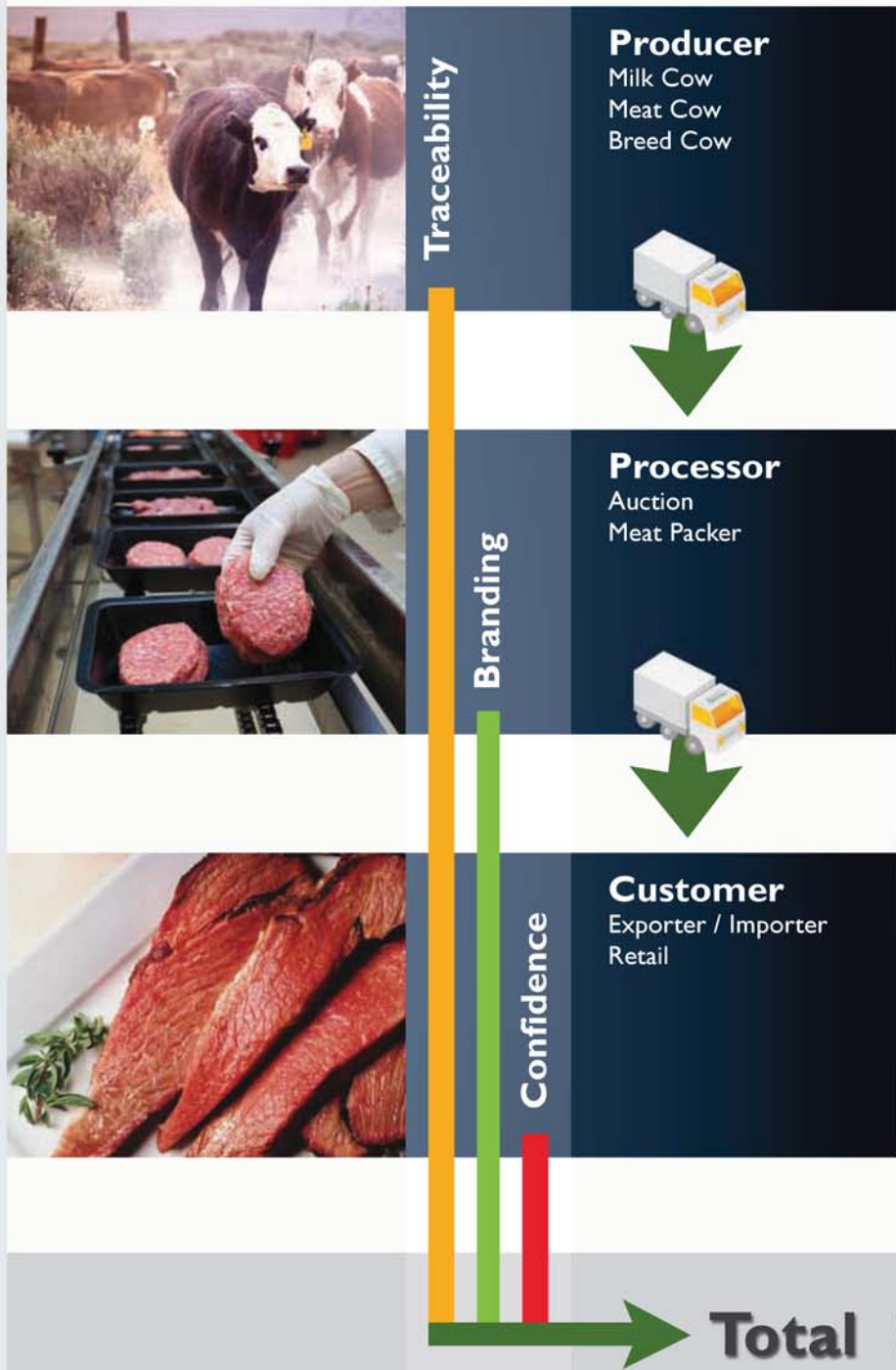
Establishing Trust

Encrypted wireless data transfer
No manual input. No data
Real time monitor that can be placed anywhere
Only authorized personnel has an access to data

Speed of Commerce

Fast scanning time (RaFid Reader & tag)
Automatic data upload and analysis

RaFid Solution



RaFid Online

Multi-purpose managing, analyzing server
Real-time data update
Accessible from anywhere



RaFid Reader HIT731UHF

UHF RFID Reader (860~950 MHz)
GPS, Printer, GPRS modem integrated
Low Frequency (LF), Barcode reader optional

RaFid Tag

USDA Certified
UHF RFID Tag (860~950 MHz)
800 bit User Memory

LF Tag

Visual Tag

Traceability + Branding + Confidence



Registration

Store information about individual livestock (cattle/stock) into the tag and server.
No handwriting, scan it. Does not require manual input.



Vaccination

Record, store, and view vaccination history into and from the tag
In compliance with government disease control program



Transportation

Expedite commerce with the ability to scan several tags concurrently
Location can be updated via integrated GPS capability



Trade/Sales

Issue physical records as proof of purchase or receipts using the built-in printer
Report and record instantly to the server to meet government's regulation



Weight Checking

Update latest weight information directly into the tag and upload to server
Keep track of your each individual cattle/animal's health history



Organic Beef

Consumers can trace the meat to the original producer
Create brand recognition and increase your brand value



Animal Traceability

Animal Registration

Vaccination

Transportation

Trade/Sales

Weight Checking

Branding (Organic Beef)



HANA Mobile NFC

Valet Parking

EMR Management

Security Patrol

Service Quality Supervision

Public Transportation

Membership Card



Auto-ID Station

Identification through Bio sensor

User Authentication

Smart Card, MS Card, Mobile

On/Offline auto - identification



Fleet Tracking

Real-Time GPS Tracking

Driver and Vehicle Management

Fuel Consumption Monitoring

Instant Accident Report



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About HANA Innosys

Hana Innosys is the leader of system integration in the Auto ID industry, including RFID, mobile, and online identification. We believe in applying our innovation and technology to solutions that solve our customers' problems. By doing so we have become specialists in traceability solutions, security network solutions, and embedded device control.

Hana Innosys provides products that not only use the latest technology but also come standard with exceptional customer service.