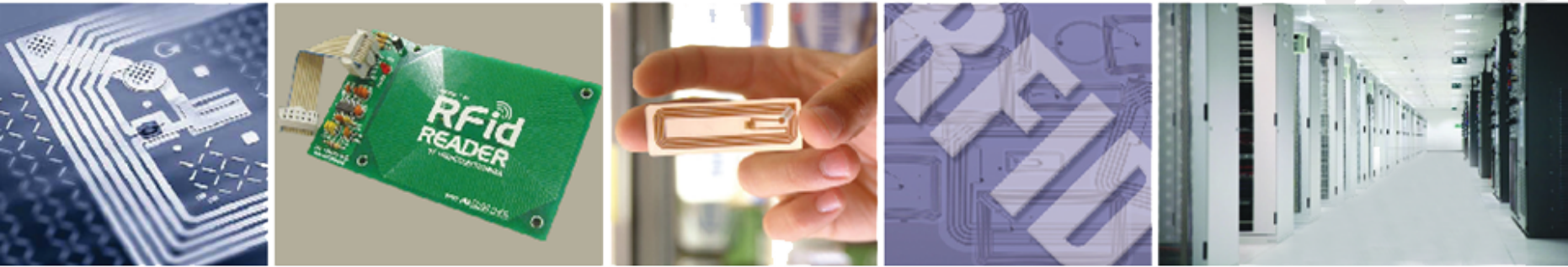




**BEE TECH**



Revolutionized Asset Management

# Foundation history and solutions

## **Bee Tech Co.,LTD**

Cu Tran Nguyen, May 05, 2017





# Menu



1. Foundation history .....
2. Mission & Vision .....
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# Foundation history

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- Beetech was formerly known as Huy Technology Investment and Development Joint Stock Company Huy Hoang (often called Splendid) - is a consulting and supply company leading technology solutions (AIDC; IoT) in Southeast Asia;
- With experienced staff, experts have worked with the famous corporations such as StrataCom, Cisco, AMCC, Altera, AMCC, Xilinx, Renesas, Viettel, Gtel, CSC Viet Nam ...
- We have been asserting our pioneering role in the solution for RFID in Vietnam.



# Foundation history


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- In the years, we have developed strong, sustainable and has built a very important position with partner The business is recognized by the market as the solution provider reliable (especially confirm his pioneering role about RFID solution in Vietnam).
- At the end of 2016 and the beginning 2017 to promote all strengths and professional development deeper. Beetech was established - holds a mission of intensive development. According the AutoID , special about RFID - Splendid specialize on the urban transportation solution





# Copyrights of works

  
BỘ VĂN HÓA, THỂ THAO VÀ DU LỊCH  
CỤC BẢN QUYỀN TÁC GIẢ

**GIẤY CHỨNG NHẬN  
ĐĂNG KÝ QUYỀN TÁC GIẢ**

CỤC BẢN QUYỀN TÁC GIẢ CHỨNG NHẬN

Tác phẩm: <i>Phần mềm Stat_Stat</i>	Loại hình: <i>Chương trình máy tính</i>
Tác giả: <i>Nguyễn Vũ Trọng</i> (Bút danh: <i>Nguyễn Trọng Vũ</i> ) 250 Nguyễn Thị Minh Khai, Lầu 9, Phòng 9.2, P. 6, Q. 3, TP. Hồ Chí Minh	Quốc tịch: <i>Hoa Kỳ</i> Số HC: <i>208074105</i> 25/03/2003
Chủ sở hữu: <i>Công ty Cổ phần Đầu tư và Phát triển Công nghệ Huy Hoàng</i> International Plaza, lầu 12, Phòng B3, số 343 Phạm Ngũ Lão, P. Phạm Ngũ Lão, Q. 1, TP. Hồ Chí Minh	Số ĐKKD: <i>0309142144</i> 24/04/2010

Đã đăng ký quyền tác giả tại Cục Bản quyền Tác giả


Hà Nội, ngày 30 tháng 11 năm 2010  
CỤC TRƯỞNG

*Ước*

Số: 3495/2010/QTG  
Cấp cho Chủ sở hữu

Vũ Mạnh Chu

RIFD Middleware

  
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CỤC BẢN QUYỀN TÁC GIẢ

**GIẤY CHỨNG NHẬN  
ĐĂNG KÝ QUYỀN TÁC GIẢ**

CỤC BẢN QUYỀN TÁC GIẢ CHỨNG NHẬN

Tác phẩm: <i>Phần mềm quản lý ra vào AccessID</i>	Loại hình: <i>Chương trình máy tính</i>
Tác giả: <i>Nguyễn Vũ Trọng</i> (Bút danh: <i>Nguyễn Trọng Vũ</i> ) 250 Nguyễn Thị Minh Khai, Lầu 9, Phòng 9.2, P. 6, Q. 3, TP. Hồ Chí Minh	Quốc tịch: <i>Hoa Kỳ</i> Số HC: <i>208074105</i> 25/03/2003
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Đã đăng ký quyền tác giả tại Cục Bản quyền Tác giả


Hà Nội, ngày 29 tháng 11 năm 2010  
CỤC TRƯỞNG

*Ước*

Số: 3447/2010/QTG  
Cấp cho Chủ sở hữu

Vũ Mạnh Chu

Access Manager  
Software

  
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CỤC BẢN QUYỀN TÁC GIẢ

**GIẤY CHỨNG NHẬN  
ĐĂNG KÝ QUYỀN TÁC GIẢ**

CỤC BẢN QUYỀN TÁC GIẢ CHỨNG NHẬN

Tác phẩm: <i>Phần mềm Quản lý trường học SchoolID</i>	Loại hình: <i>Chương trình máy tính</i>
Tác giả: <i>Nguyễn Vũ Trọng</i> (Bút danh: <i>Nguyễn Trọng Vũ</i> ) 250 Nguyễn Thị Minh Khai, Lầu 9, Phòng 9.2, P. 6, Q. 3, TP. Hồ Chí Minh	Quốc tịch: <i>Hoa Kỳ</i> Số HC: <i>208074105</i> 25/03/2003
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Đã đăng ký quyền tác giả tại Cục Bản quyền Tác giả

Hà Nội, ngày 30 tháng 11 năm 2010  
CỤC TRƯỞNG

*Ước*

Số: 3462/2010/QTG  
Cấp cho Chủ sở hữu

Vũ Mạnh Chu

School Manager  
Software



# Vision - Mission

## Vision



- Distributor solutions and Technology (AIDC; IoT) Southeast Asia.
- Cooperate, study and Develop solutions for business according to the market at Southeast Asia with companies global technology;
- Product ecosystem development and service to bring business opportunity with local partners or to deeply major in each market.

## Mission



- Develop and distribute solutions to help businesses get an intelligent operating system, effective;
- Continuous research, improvements to bring to client and partner the products, quality service ;
- Building the environment to work help develop max the ability, working efficiency of worker;
- concomitant and cooperate to bring a lot of opportunity and benefit for business partner.





# The field of supply



## INDUSTRY

- Electricity – Automation
- Telecommunication
- Oil and Gas
- Airline industry
- Seaport
- Manufacturing



## CORPORATE

- Finance – Banking
- Medical
- Education
- Government
- Foreign Investment
- Service



## SMB

- Small and medium enterprises





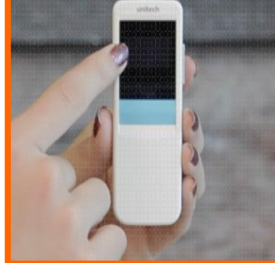
# The field of supply



**Label Printer**



**Scanner**



**Scanner**



**Card Printer**



**RFID Reader**



**RFID Antenna**



**RFID Tags**



**Mobile Reader**



# Barcode Printer



## BARCODE PRINTER

Our barcode printers, which are also known as thermal printers, come in many different sizes and capacities to fit different label printing needs.





# Barcode Label Printer

For instance, our small desktop barcode label printers can handle smaller jobs conveniently, while our larger high-performance barcode printer are what you need for continuous, high-volume label printing in an industrial environment







# Barcode Label Printer

We offer everything from Dymo labels and mobile printers to heavy-duty industrial barcode printer. Besides our many varieties of barcode printer, we also carry all the items you need to make them work hard for you, such as software, printheads and their accessories: Printer cables, power cords, belt clips, covers and cases, memory card, platen rollers, route palettes, print servers, stands keyboards, zebra stop static brushes and more

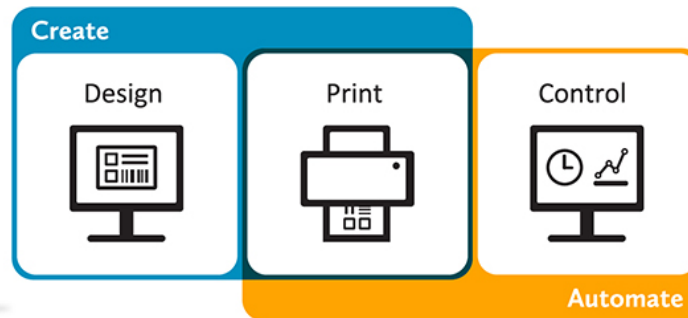




# Barcode Label Printer

Several of our barcode label printers come with basic label printing software, but if you depend on database-driven label creation, you need a more robust barcode printer software solution. If you have any questions on which barcode label printer to choose or which barcode software you may require, please ask us and we'll be happy to guide you through your options.

## PRINTERS & SOFTWARE





# Barcode printer equipment - barcode

## - Industrial Barcode Printers:

- Zebra ZT230, ZT410, ZT420 203dpi, 300dpi, 600dpi
- Datamax: O'Neil I-4310E, O'Neil I-4212E



## - Desktop Barcode Printers:

- Zebra: GC420D, GC420T, GK420D, GK420T, GT800, GX430, 105SL – Plus, 110Xi 4, 170Xi 4
- Datamax (Honeywell): Honeywell PC42T Plus





# Barcode printer equipment - barcode

- Barcode Mobile Printers : Zebra, Brother



- Label Mobile Printers:

- Zebra:
- Brother:







# Barcode scanner equipment - barcode

- Corded Scanners



- Cordless Scanners



- Mobile Scanner





# RFID equipment

- Fix Readers: Impinj, Zebra, Alien, ...



- Mobile Reader (handheld): Impinj, Zebra, Alien, Unitech ...



- Antenna: Zebra, Alien, Impinj, Lairtech, Times 7,...







# Technology partners (\*)



(\*) Thỏa thuận đại diện bán hàng theo file đính kèm)



# Large projects have been implemented



- Implement RFID management system for raw material warehouse for Craven A Tobacco Company under the General Industry Corporation Saigon.
- Deploy the management for the building at address 58-60 Nguyen Tat Thanh, District 4, HCMC



- Deploy RFID management system for Logoplaste Company Portugal in Binh Duong. .



- Deploy RFID in / out management system at University.



- Deployment of part of the toll station does not stop at Cai Lay station. Now, Trung Luong station, currently under test at the station Binh Dinh through Thien An company..



# Các dự án đã triển khai



Provide equipment and consulting solutions RFID



- Provide equipment and consulting solutions RFID



- Deploy RFID management system for NeoVia



- Inventory management of diamonds using rfid technology





# Ongoing Projects



CÔNG TY CỔ PHẦN SỢI THỂ KỸ  
CENTURY SYNTHETIC FIBER CORPORATION

- Deploy solution inventory management fiber



Ching Luh

- Deployt solution inventory management and footwear template



- Deploy solution management, product display and retail



### RFID System include:

# Reader

# Antenna

RFID Tag

## RFID Middleware:

# Intelligent RFID Software



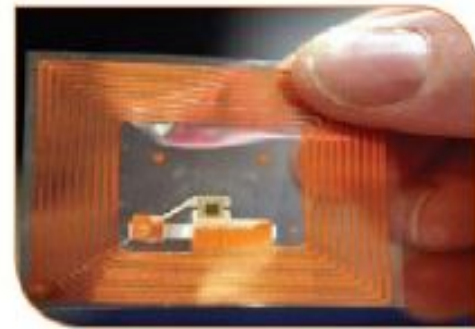
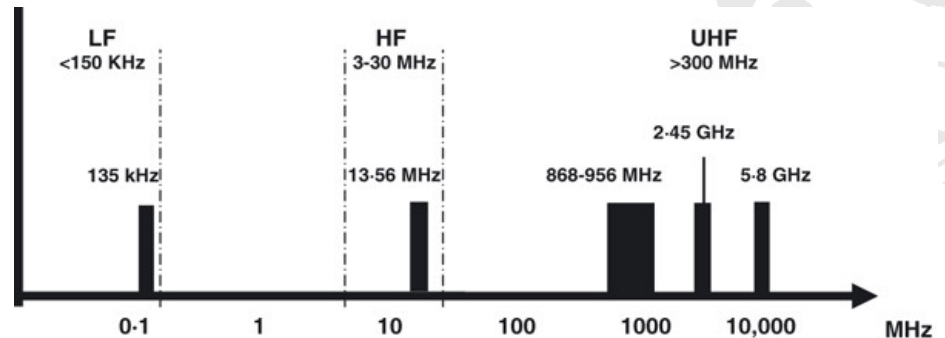
# Frequency Ranges

RFID can be read under many different frequency: :

Low Frequency: LF

High Frequency: HF

Super high Frequency: UHF







# RFID tags

For each frequency, different environments will have different types will have different RFID tags, different designs and materials.

For example: In apparel, in frozen warehouses, in metal environments, high temperature environment, ...

Mainly classified into 3 types:

RFID tags passive

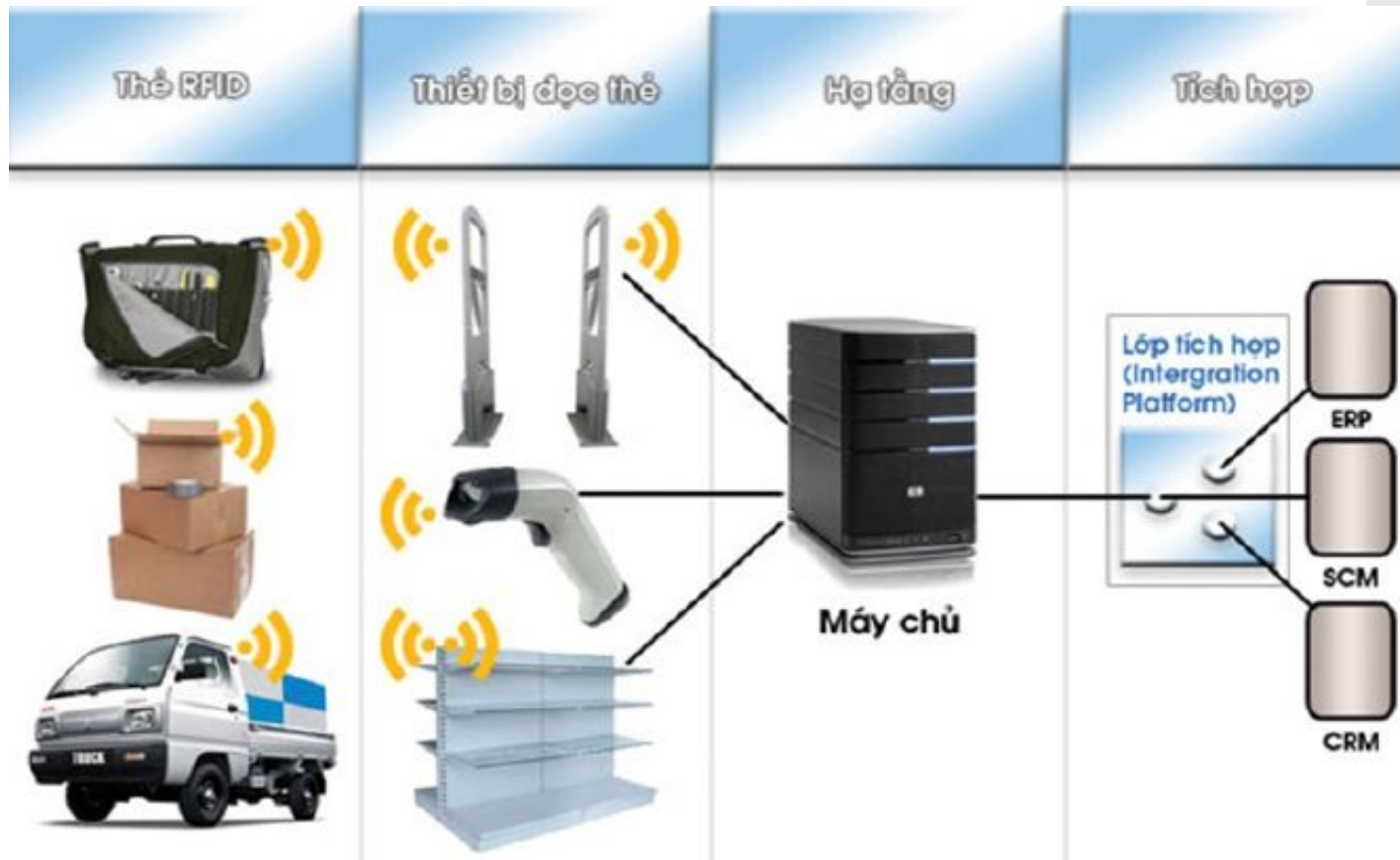
RFID tags semi-passive

RFID tags Active





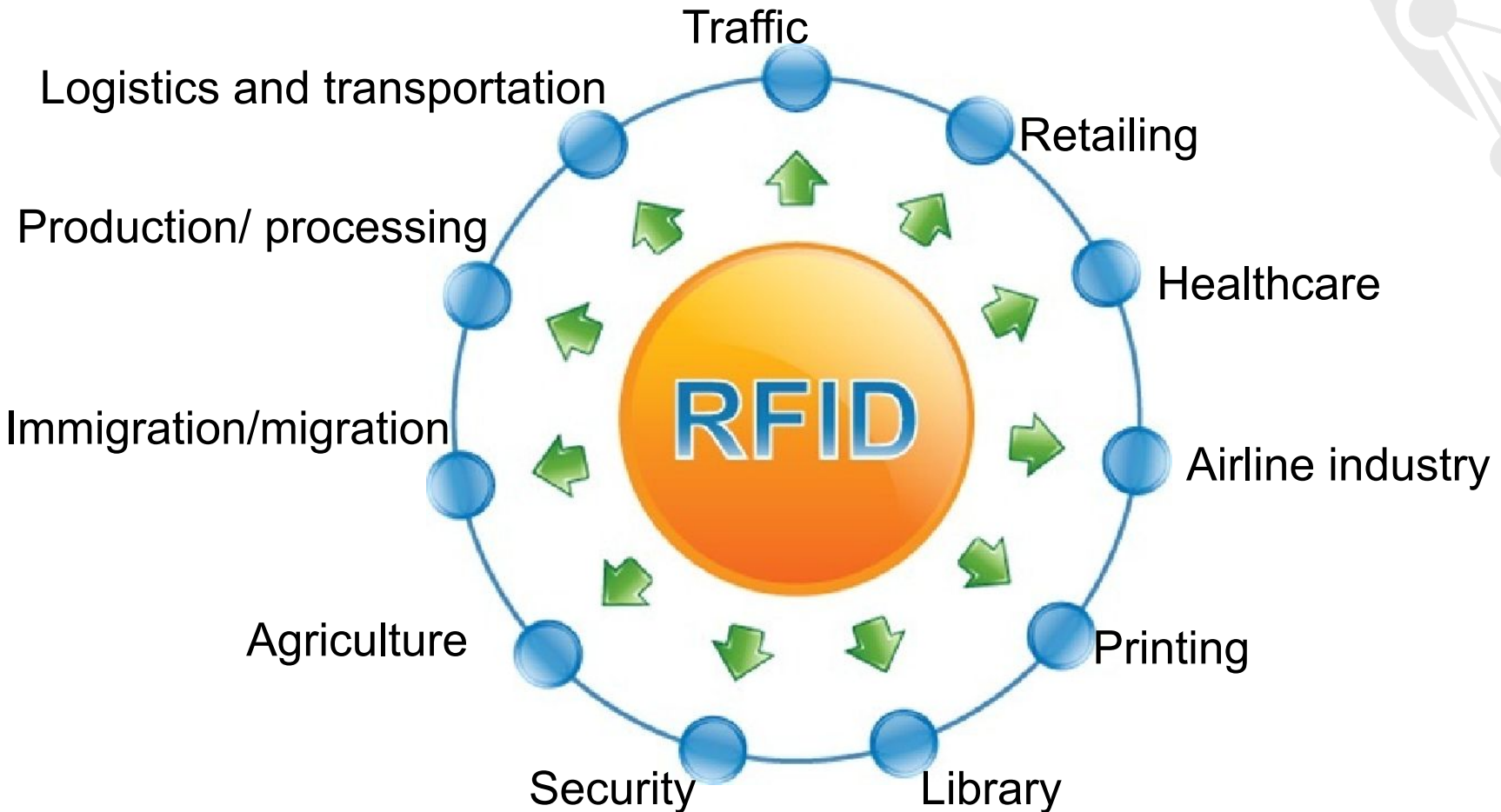
# RFID System





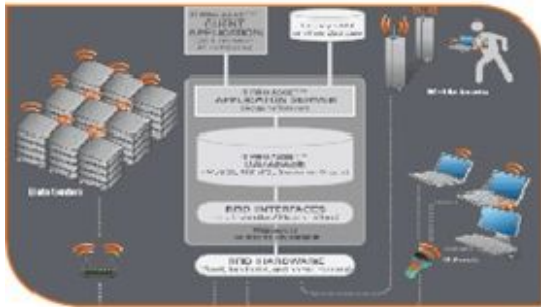
# Fields applied RFID (1)

RFID is used in various fields





# Fields applied RFID (2)



Quản lý trung tâm dữ liệu  
CNTT



Thư viện



Giao thông



Bán lẻ





# Fields applied RFID (3)



Quản lý An ninh và Hành lý  
trong Sân bay



Bệnh viện



Hậu cần



Kho bãi





# Fields applied RFID(4)



Food



Luxury



Ngân hàng



Xuất nhập cảnh







# Current solutions of Beetech



## **Bee Asset**

**IT Asset/ Data Center Management**



## **Bee Food**

**Food Traceability**



## **Bee Place**

**Location Tracker**



## **Bee Yard**

**Laydown yard**



## **Bee Chain**

**Supply Chain**



## **Bee Health**

**Health Care**



## **Bee Retail**

**Retail Store Management**



## **Bee Stock**

**Warehouse Management**



## **Bee Lib**

**Library Management**



## **Bee Time**

**Time card**

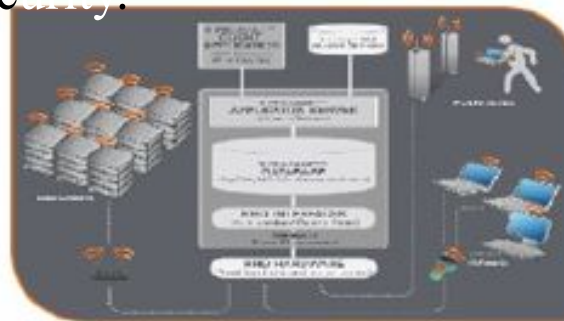




# Asset - IT Asset/ Data Center Management



- Provides solutions to manage IT assets, Data Center and personnels by attaching RFID tags on assets and the in-out status of personnels.
- Automatically updates and locates assets.
- Manages assets and the employees' status in/ out of the Data Center (In, Out, Borrowing, Returning,...)
- Automatically alerts and reminds.
- Accurately reports auditing and inventorying.
- Security.





# Bee Food - Food Traceability



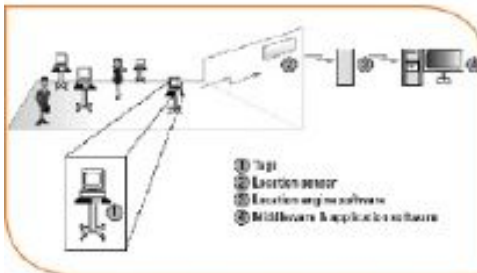
- Manages and traces food/ product's route from the farms to market by attaching RFID tags on barrels, packages, lots or pallets.
- Allows retrieving information from GPS to observe, check conditions and origins (time, history and moving itinerary).
- Manages import/ export of products, monitor temperature, humidity ... in containers, cold storages.
- Controls the freight movement between the suppliers.

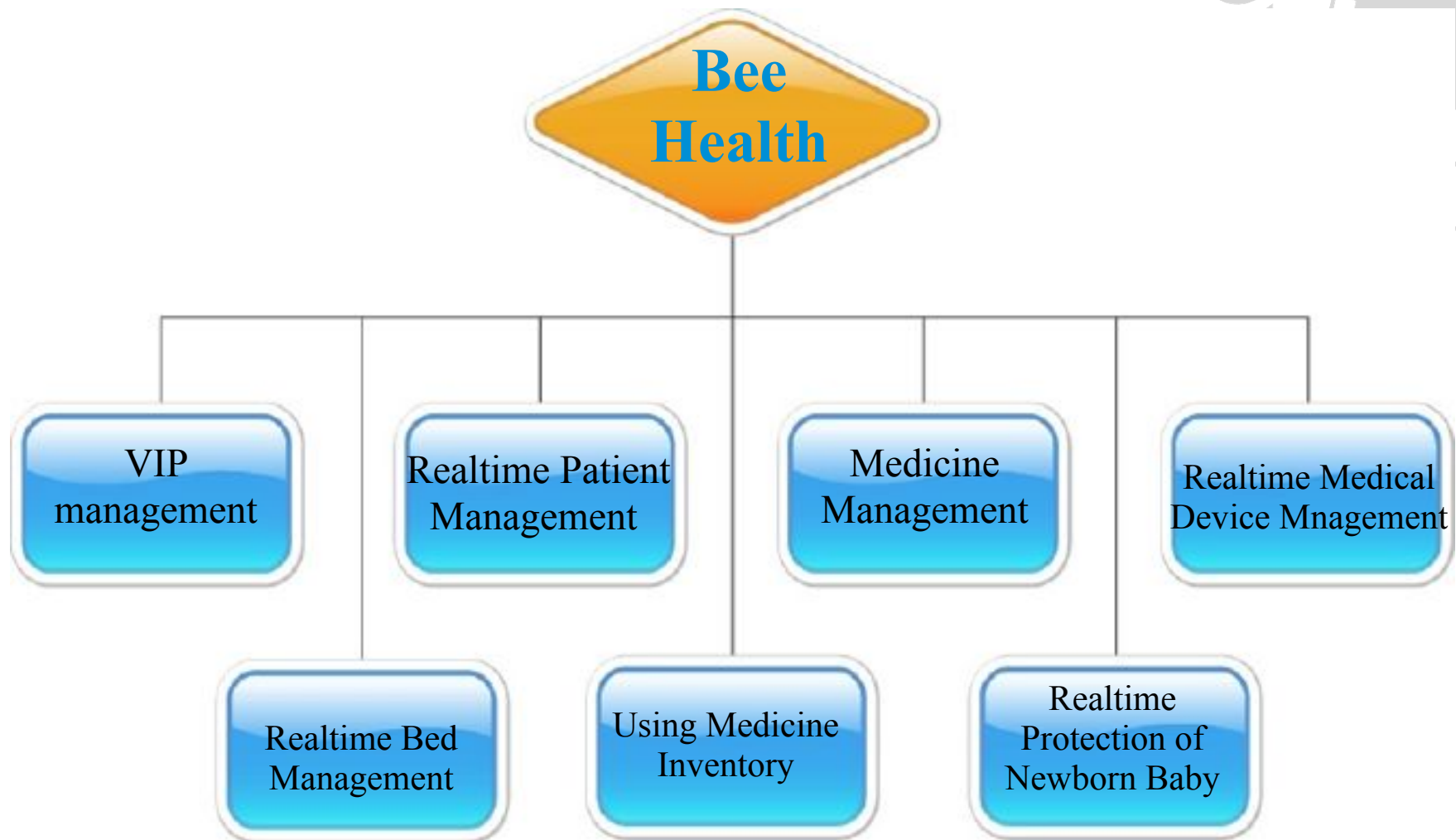


# Bee Place - Location Tracker



- Retrieves location, route, status of the product, goods or people to manage and optimize the efficiency of production and transaction
- Retrieves the route of the food production process from being the raw materials to being products
- Optimizes management, process improve efficiency of the production









# Bee Retail - Retail Store Management



- Manages goods by attaching RFID tags to the rack goods, container, cargo
- Automatic updates / alerts inventory information and expiry date
- Automatically proposes an optimum position to organize effectively goods (based on the order of priority)
- Reduces time to import/ export goods
- Optimizes the use of space in the warehouse

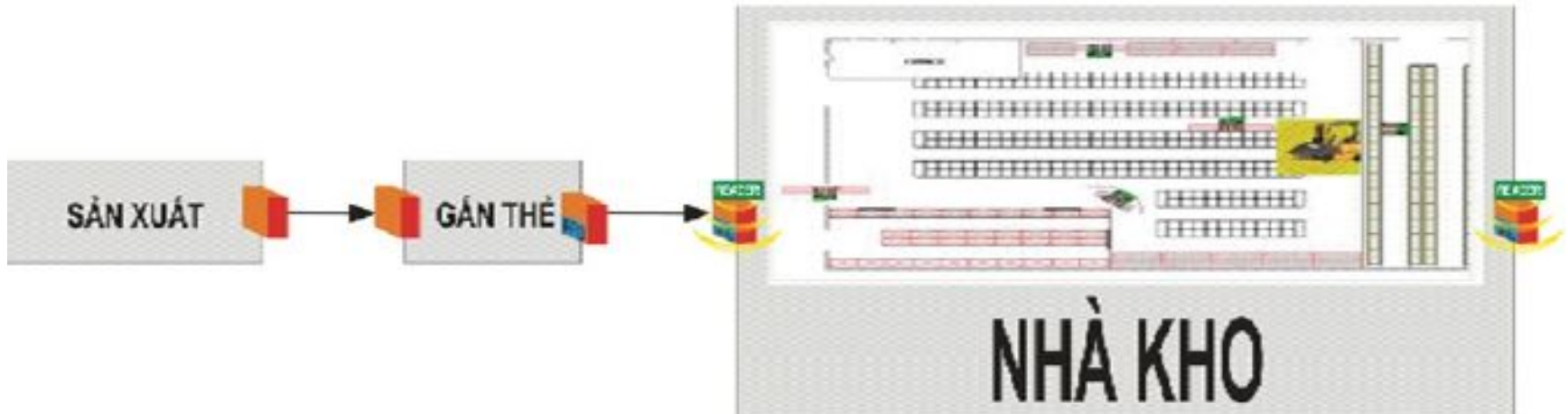




# Bee Stock - Warehouse Management



- Manages goods by attaching RFID tags to the rack goods, container, cargo
- Automatic updates / alerts inventory information and expiry date
- Automatically proposes an optimum position to organize effectively goods (based on the order of priority)
- Reduces time to import/ export goods
- Optimizes the use of space in the warehouse

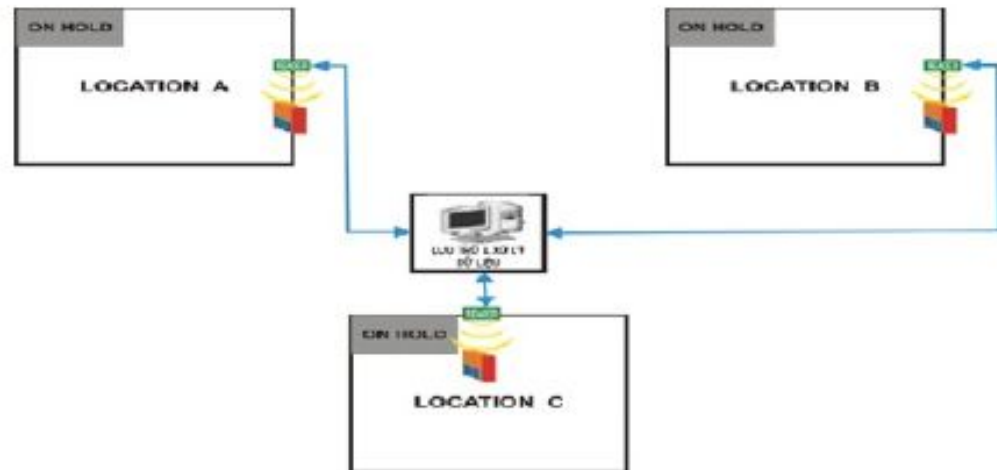






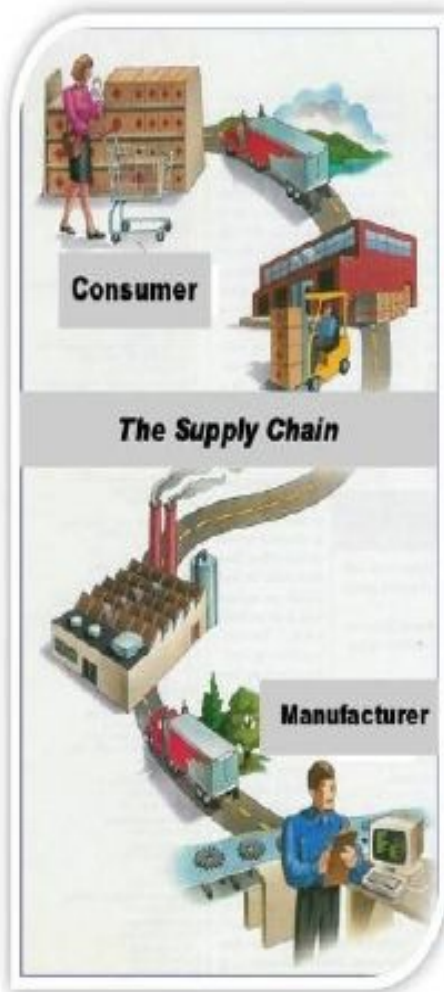
# Bee Yard - Laydown Yard

- Manages inventory / stages of the supply chain by attaching RFID tags per unit of inventory/ container / rack / cargo
- Information transparency about the supply chain  
Reduces the supply time from factory to consumers
- Reduces errors in the supply process
- Provides a comprehensive perspective on the system due to the KPI assessment (the indicator of the core) on each part of the system





# Bee Yard - Laydown Yard



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# Bee Lib - Library Management

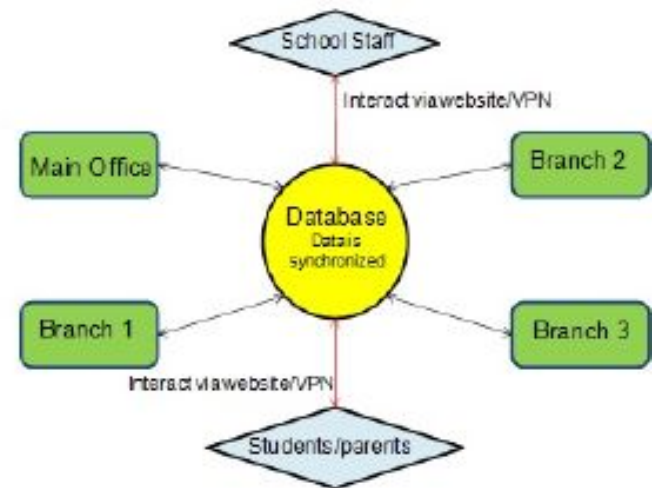
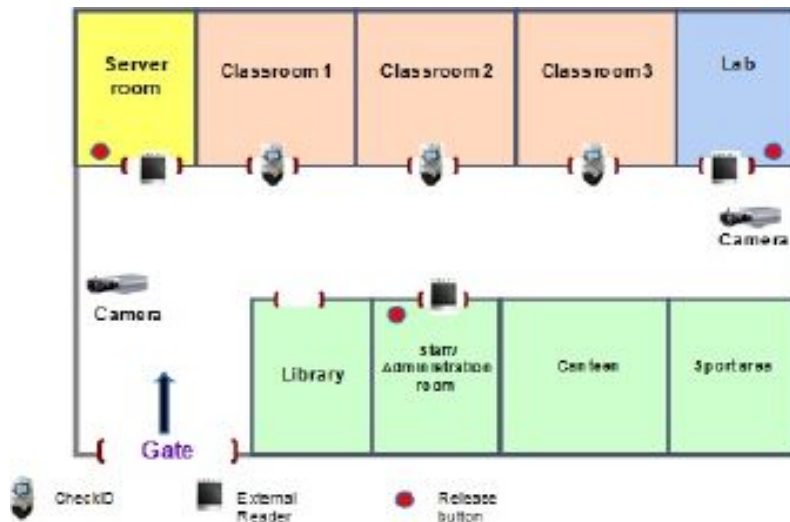
- Automatically inventories the import / export and other assets of the library without the intervention of the limbs
- Automatically accesses information about refund policy
- Automatically arranges books
- Manages books in the cabinets, on shelves of libraries (right book at the right shelf)
- Manages inventory status of the assets in the library
- Security
- Uses ultra-high frequency RFID to maximize the benefits of source books





# Bee Time - Time card

- Checks the learning process of students and check in/ out(entering/ leaving) of schools through: checks fingerprint, PIN, RFID tags using high-frequency waves.
- Provides applications software integrated with the device or through the central server
- Integrates with many different devices at the same time to reduce costs
- Checks student/employee fingerprint, personal code or RFID tag using radiofrequency before entering a room or walking through the controlling door.
- Confirmed data will be stored in the device memory, and can be connected to the locking system of the target.
- Data of entering/leaving will be saved to the memory of the device or accessed under a Word or Excel document format.
- Through online data, Teacher / Parent / Student can check information of entering/leaving, scores or other data at any time.

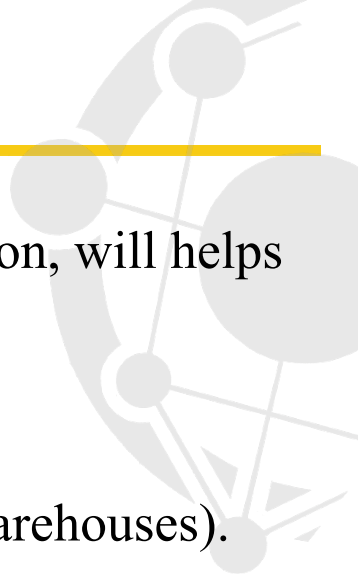




# Benefits of using RFID technology

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- ❑ Automatic and accurate order processing, inventory information, will helps to reduce labor costs and increase productivity .
- ❑ Arrange the goods in a tidy and efficient place.
- ❑ Improve of efficiency store space (space optimization used warehouses).
- ❑ Improved handling capacity of warehouses .
- ❑ Avoid confusion, loss of goods.
- ❑ Manage import, export, survive effectively.
- ❑ Good management of inventory for each product.







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**Thank you!**

