AsseTrack & FileTrack (RFID Asset, File Tracking & Inventory Management Systems)

Our RFID Solutions

- Asset & Inventory Management System
- RFID Vehicle Tracking System
- Waste Management System
- School Attendance System
- Jewellery Tracking System
- File/Document Tracking System
- RFID Library Management & Security System
- School / College Management & ERP Solutions
- Animal Tracking System
- KOHA (Library Management Software)
- DSpace (Open Source Dynamic Digital Repository)

Daphne Systems
...delivering value with RFID since 2005
About the Company:

Daphne Systems Private Limited is an RFID System Integrator, providing application research based turnkey solutions that empower organizations to achieve competitive advantage from radio-frequency identification (RFID) and enhance their business performance. We envision creating and extending knowledge in RFID utilization and its impacts on business processes. We maintain international standards of excellence and implement comprehensive, industry-tested turnkey solutions that will provide value, scalability, and return on investment across an organization.

Experienced Team
Innovative and Advance Technology
Leader in RFID

More than 14 Years of Experience in RFID Domain
Long Clientele List
Quality Product

AsseTrack & FileTrack (RFID Asset, File Tracking & Inventory Management Systems)

Daphne Systems recommends a RFID based Asset, File & Inventory Management System that provides a complete solution AsseTrack & FileTrack. The most important challenges of locating/searching of assets & file in store, department, office or its defined places. It also has to an automated, efficient monitoring system that identifies and allows for accurate movement of asset, file from one place to another within department or organization to proper placement.

AsseTrack & FileTrack is designed to be modular and different modules can be used to build a system to meet your requirements, provides identification, tracking, security and automation of Assets, Files. Each gate has equipped with entrance and exit RFID readers along with antennas. Each Asset has a passive tag, which is applied in front of the asset. The RFID tag is a high performance tag that is ideal designed for both metallic & non-metallic assets, file. The RFID system can be integrated with software systems for detailed/customised reporting, searching and error less inventory/physical-audit operations etc for the organization. Implementation of AsseTrack & FileTrack is quick and easy and can be used in conjunction with existing systems.

We use Standards Protocols - UHF EPC Class 1 Gen 2 (Frequency 860-960 MHz) for our solution to communicate between Tags and RFID Readers.

Why AsseTrack & FileTrack:
The answer of our question (Why AsseTrack & FileTrack?) is very much clear: When we are discussing for a solution of inventory management or physical-audit for assets, files at organizations, in traditional/older technology manual searching or auditing require more man-power to remove error or less error though, we can't make it error free/error less. We have to make these operations one-by-one but in our AsseTrack & FileTrack no need to do it one-by-one, you just need to move RFID handheld reader and searching will be done. Similarly all other work like auditing etc need not to be done one-by-one it can be done in a lot.

Benefits:
AsseTrack & FileTrack facilitate solution for multiple problems we are facing like reporting, searching and error less inventory/physical-audit operations etc. The main important feature of our solution that you can get movement/location records of each and every asset, file on real-time within organization.

- Increased Asset security
- Non-stop, hassle-free operation
- Low maintenance and repair cost
- No need to fall down the
- Data backup of every movement
- No need to manual work
- Proper management of asset, file movement
- Reduced man-power for multiple operations
- Affordable, easy to install and maintain
- Discreet control of security authorization by identification

System Components:

RFID Fixed Reader:
Each reader contains a radio frequency transmitter/receiver, antenna and reader logic board in a weatherproof unit. The reader collects data from the antennas, processes the data and interfaces with the AsseTrack & FileTrack Software.

- Multi-Tag Read
- Built-in Antenna
- Up-to 10 M read range
- ISO 18000-6C EPC Class 1 Gen 2
- Weather proof casing

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System Components:

RFID Handheld Reader:
- The RFID Handheld reader gives ability to capture a comprehensive range of data from RFID tags to images.
- With this flexible multi-functional RFID handheld reader, which reads data in remote areas where RFID fixed readers can't reach.

Specification:
- Read Range: upto 1 to 2 Mtr.
- Antenna: Integrated, linearly polarized
- Frequency: 860-960MHz
- Protocol-ISO 18000 6C EPC Class 1 Gen 2

RFID Tags:

Non-Metallic Tag:
- Paper thin label.
- Placed inside/outside on each asset, file.
- Consists of an etched antenna and a tiny chip which stores vital item information.
- Including a unique ID number.
- Provides identification and security in a single tag.
- Password protected anti-theft security bit.

Specification:
- Surface material: paper or PET
- IC: NXP
- Frequency: 860-960MHz
- Protocol-ISO 18000 6C EPC Class 1 Gen 2

Metallic Tag:
- Placed on each asset.
- Consists of an etched antenna and chip which stores vital item information.
- Including a unique ID number.
- Provides identification and security in a single tag.
- Password protected anti-theft security bit.

Specification:
- Operating Frequency 860 – 960 MHz
- Protocol-ISO 18000 6C EPC Class 1 Gen 2
- EPC Memory 96 bit
- Material: ABS
- Data retention of 10 years
- Write endurance 100,000 cycles

Accessories:

Buzzer/Alarm: A buzzer or beeper is an audio signaling device, which may trigger while unauthorised Asset/File movement found at organisation/department

Application Software:
The AsseTrack & FileTrack application software forms the backbone of the whole system.
It performs end to end functionality from programming the RFID tags, which is to query the system for locating the position of particular asset, file. We have complete software package including AsseTrack & FileTrack-Monitor, AsseTrack & FileTrack-Mobile, AsseTrack & FileTrack-Web.
Our Esteemed Clients

- CSIO-PV, Palam Pur
- Central Institute of Technology, Kokrajhar
- University of Kashmir
- Moregaon College
- Krishan Kanta University, Guwahati
- SRM University
- THSTI
- Sharda University
- National Institute of Financial Management
- BITS Pilani
- Special Protection Group
- NCCS
- Pimpri Chinchwad Municipal Corporation
- HCL
- UPL Environmental IIS Engineers Ltd

- NTPC Rihand
- NTPC Vindhyanagar

...and many more

DAPHNE SYSTEMS
End-to-End RFID Solutions
An ISO 9001:2015 Company

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