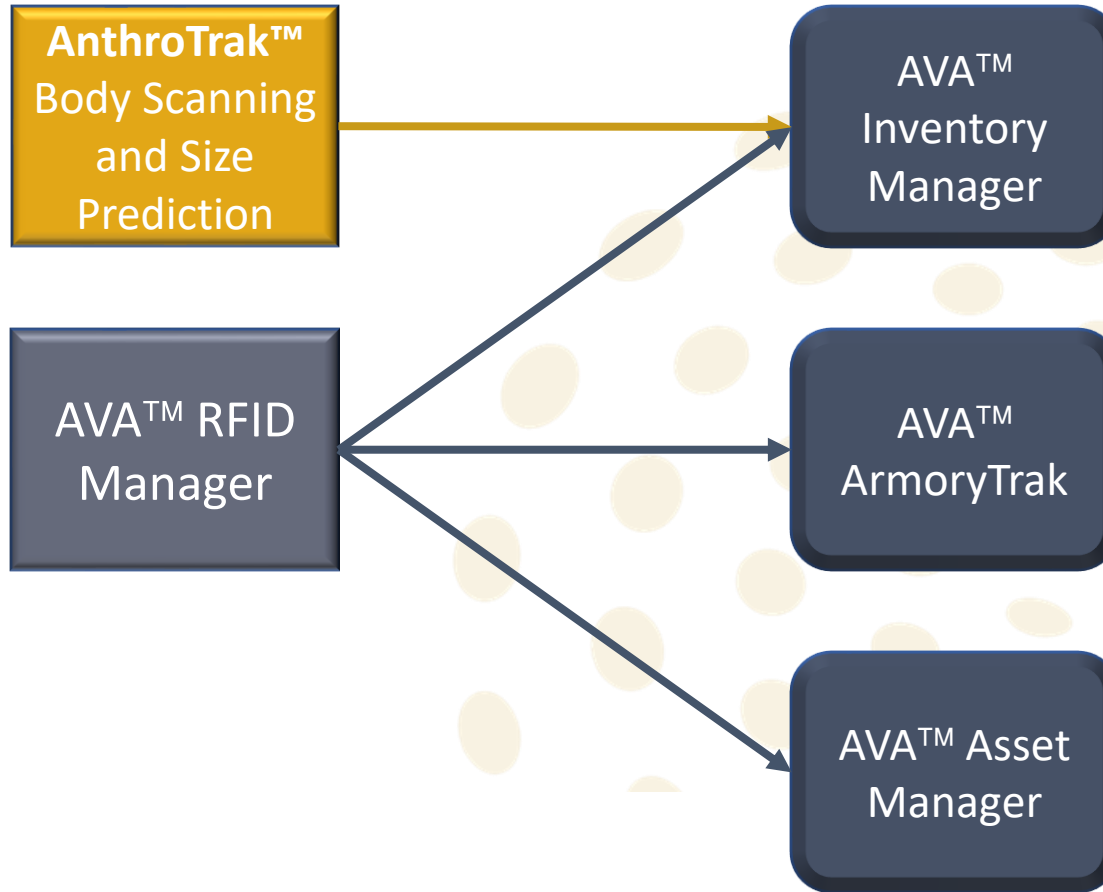
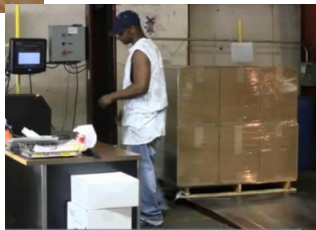


AVA™ Logistics Suite: Systems Overview

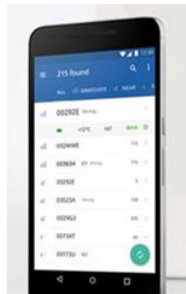


Automated Data Capture Technologies

RFID



LEB / RTLS



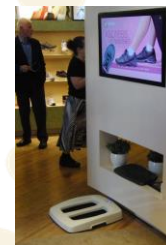
Measuring Devices



Whole Body Scanning



Kinect



Foot Scanning



Hand Measuring

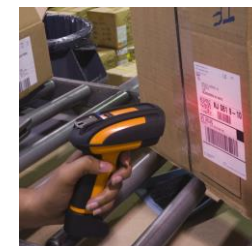
Others



OCR



Voice Recognition



Bar Code

Background:

AdvanTech, Inc. is proud to unveil our **AVA™ Logistics Suite**. These applications are all based on our three guiding principles of **A**ccuracy, **V**isibility and **A**ccountability.

These applications are browser-based, online, real-time using standard browsers and rely on a central encrypted relational database located in Annapolis, MD. Our systems are in operation throughout the U.S. in multiple industries. Our goal is to assist our clients in achieving substantial savings through implementation of advanced technology and best practices.

AVA™ Asset Manager

Defines facilities to the room level. Tracks assets (moveable and fixed) to the serial number level to individual rooms. Assigned ownership of each room within each facility. Establishes and tracks projects and work orders to document and monitor labor and non-labor costs. Automates the internal package delivery process by defining delivery routes and building manifests to deliver within the organization. Tracks employees, contractors and visitors who have access to assets. Performs physical inventory counting and reconciliation processes. Generates numerous operational and accounting reports.

AVA™ Item Manager

Fully-featured, multi-entity procurement, requisitioning, receiving, remote inventory, cross leveling and perpetual inventory management system. Full audit trails with transaction history. Multiple stockrooms allowed with individual reorder parameters established. Asset visibility option to include inventory levels from prime suppliers. Serial and lot number tracking available.

AVA™ ArmoryTrak

Fully-featured RFID-enabled application developed specifically for firearms. Full audit trails with transaction history. Documents what firearms and accessories were issued to each person. Maintains an online Property Book by person until the equipment is returned. This application can accept CAC cards for electronic signatures.

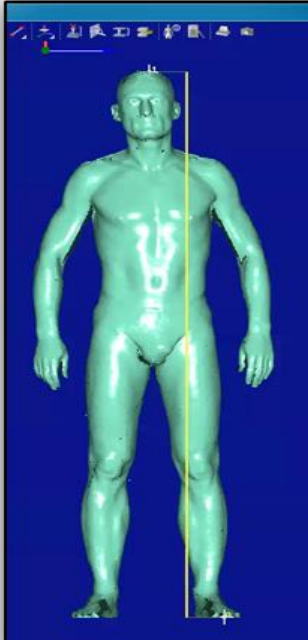
AVA™ RFID Tag Manager

Upgrades Asset and Item Manager Applications to utilize RFID tags. Various RFID tag standards are supported including EPC Gen2 and Low-Energy Bluetooth. Tags are used for access control, in supply chain management to track inventory movement, to track files, laundry, garments, equipment assets such as wheelchairs, and high-cost or high-loss items such as electronics or tools.

Fully Integrated Solution



3D Whole Body Scanning and Body Measurement Extraction



3D Whole Body Scanning Overview:

- Make a complete 3D body scan within seconds
- Achieve Accuracy up to within a millimeter
- Offer several different scanner options to best fit your needs
- Easy to use, featuring top-of-the-line technology
- Maintain a Historical database of 150 body measurements per scan
- Manual Measurement option available using Bluetooth Technology

Body Measurement Extraction Features:

- Size Prediction for Uniform and Personal Protective Equipment
- Measurement detail for Special Measurements
- Interface to Uniform Providers and Manufacturers
- Requirements Planning
- Kitting
- Foot Scanning available with size predictions
- Injury Prediction



RFID Overview – Technologies Available

Category

Specifications

Reading Range

GPS

- Transmitter
- Satellite Reader
- Satellite Receiver



Active RFID

- Reusable Transmitter with internal power source
- Multiple Fixed Readers
- Extension of LAN / WAN



Low Energy Bluetooth

- Reusable Transmitter with internal power source
- Smaller Form Factor than Active RFID
- Smartphone Compatible

Passive RFID

- Disposable Transmitter with external power source
- Fixed Reader with Multiple Antennas and/or Handheld Readers



RFID Overview – Technologies Available

GPS



Tractor Trailer



Shipping Container

Active RFID



Toll Pass



Fork Lifts

Low Energy Bluetooth



Metal Containers



Refrigeration Units



Moveable Assets

Passive RFID



Pallets w/ Boxes



Cartons / Boxes



Apparel



Firearms



Staff / Visitors



Document / Records / Books

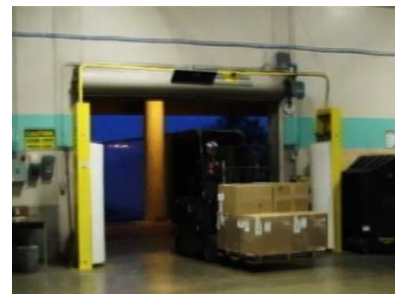
RFID Overview – pRFID Components



RFID Printer / Encoder



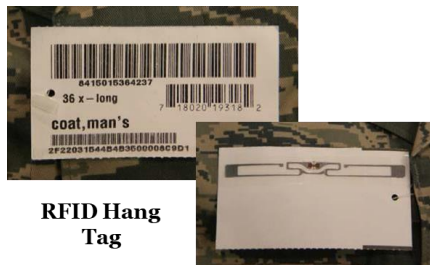
Fixed Reader and Antennas



Receiving/Shipping Portal



Palletizer



RFID Hang Tag



RFID Handheld Reader



Issue Chute



Receiving / Shipping Station



Bulk Inventory Reader



Permanent Tags

ACCURACY. VISIBILITY. ACCOUNTABILITY.

www.advantech-inc.com



System Architecture and Network Design

Software Functionality



What is ArmoryTrak?

How ArmoryTrak Works?

Key Features

- Automate Issue/Receipt of RFID Items
- Keep Accurate Digital Inventory of assets
- Print Property Book Receipts
- Reduced Labor Tasks
- Real-Time Visibility



Facilities / Building

Facility Type

Floors

Rooms

Room Usage

Square Footage

RFID / Barcode Assigned

Systems

Asset / Item Master

Manufacturer

Model Number

Purchased From

Purchase Cost

Serial Number

RFID / Barcode Assigned

PO Number

Date Acquired

Data into Service

- Room Inventory
- Transaction History
- Utilization History

AVA™ Asset Manager – Project Tracking

Facilities / Building

Facility Type

Floors

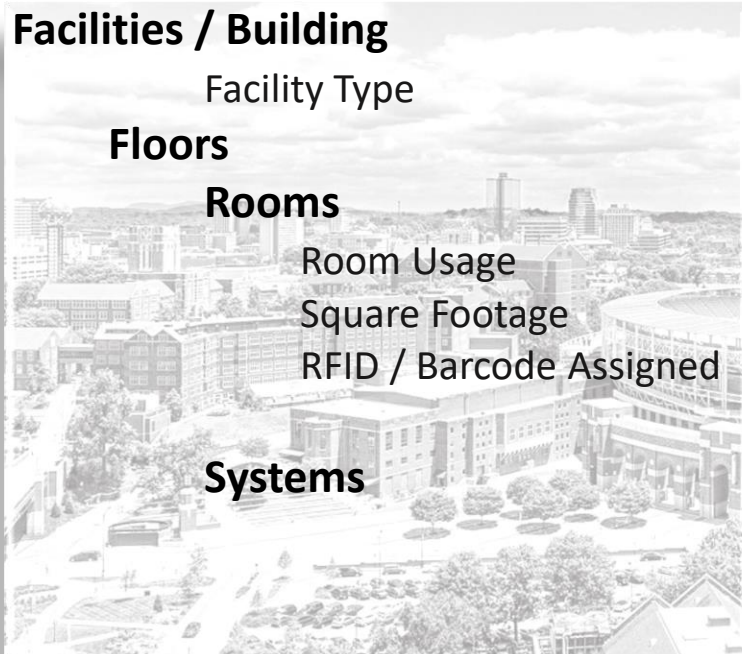
Rooms

Room Usage

Square Footage

RFID / Barcode Assigned

Systems



Projects

Classification

Priority

Description

Status

Asset / Item Master

Manufacturer

Model Number

Purchased From

Purchase Cost

Serial Number

RFID / Barcode Assigned

PO Number

Date Acquired

Data into Service



Work Orders

Category

Priority

Description

Status

AVA™ Asset Manager – People Tracking

Facilities / Building

Facility Type

Floors

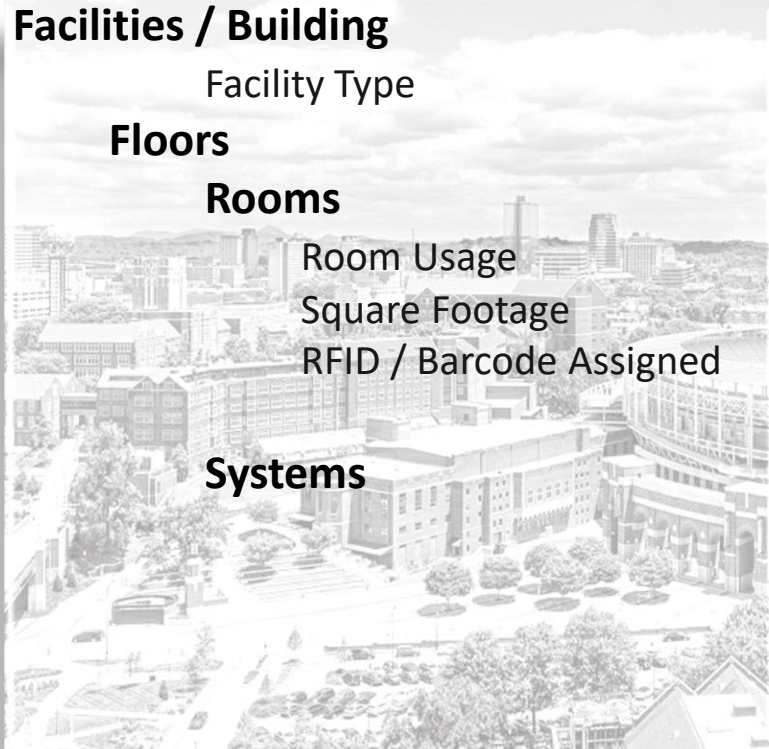
Rooms

Room Usage

Square Footage

RFID / Barcode Assigned

Systems



People

Staff / Employees

Contractors

Visitors / Patients / Students

Department

RFID Tag ID



Facility Location (Building / Room)

Work Order Costing

Location Validation

AVA™ Asset Manager – Delivery Tracking

Facilities / Building

Facility Type

Floors

Rooms

Room Usage

Square Footage

RFID / Barcode Assigned

Systems

Asset / Item Master

Manufacturer

Model Number

Purchased From

Purchase Cost

Serial Number

RFID / Barcode Assigned

PO Number

Date Acquired

Data into Service

- **Generate Delivery Bar Code Label**
- **Stage deliveries by Delivery Zone**
- **Generate Delivery Manifest for Delivery Zone**
- **Electronic Signature with time and date stamp**

ATI's Data Conversion Expertise: from Document to Database

1) 15-Page Document containing data describing 300 buildings and facilities that needs to be put into new system.

The image displays a screenshot of a document viewer showing 15 pages of data tables. The tables are arranged in a grid, with 8 columns and 2 rows. Each table contains multiple columns of data, likely representing building and facility information. The tables are densely packed with text, and the overall layout is organized and professional. The document viewer interface includes a search bar at the bottom left and a navigation bar at the bottom right.

ATI's Data Conversion Expertise: from Document to Database

2) Data is scanned, parsed and imported into AVA™ Asset Manager Facilities Master Table by ATI personnel.

The screenshot displays the ADVANTECH ASSET MANAGER interface. At the top, there are navigation tabs: Home, Demographics, Reports, Move Equipment, and Templates. A search bar is located on the right. On the left, a dark blue sidebar contains a 'Menu' with icons for Facilities, Equipment, Dashboard, Projects/Work Orders, and Packages/Deliveries. The main content area shows the title 'ADVANTECH ASSET MANAGER' and a 'Reports' section with a dropdown menu for 'Space Allocation by...'. Below this is a table with the following columns: Facility Description, Address 1, Address 2, Total Floors, Total Sqr Feet, and Picture Link. The table contains 20 rows of facility data.

Facility Description	Address 1	Address 2	Total Floors	Total Sqr Feet	Picture Link
BUILDING, CLOVERLY CENTER STORE 723 CLOVERLY STREET (CLOVERLY TOWN CENTER) SILVER SPRING 20905		BUILDING, LEASED	1	6,350	
BUILDING, FIRE STATION 25 22610 GATEWAY CENTER DRIVE CLARKSBURG 20871		BUILDING, LEASED	1	9,823	
BUILDING, ROCKVILLE PIKE STORE 832-836 ROCKVILLE PIKE ROCKVILLE 20852		BUILDING, LEASED	1	6,000	
BUILDING, DGS WAREHOUSE 8516 ANNIVERSARY CIRCLE GAITHERSBURG 20877		BUILDING, LEASED	1	0	
BUILDING, FIRE STATION 20 9041 OLD GEORGETOWN ROAD		BUILDING, OWNED	1	8,090	
BUILDING, MADEIRA SCHOOL TOWER 8328 GEORGETOWN PIKE		BUILDING, LEASED	1	0	
BUILDING, FIRE STATION 1419801 BEALLSVILLE ROAD		BUILDING, OWNED	1	12,797	
BUILDING, BAUER RECREATION CENTER 14625 BAUER DRIVE ROCKVILLE 20853		BUILDING, OWNED	1	20,364	
BUILDING, BUILDING A SILVER SPRING HIGHWAY DEPOT 8710 BROOKVILLE ROAD SILVER SPRING 20910		BUILDING, OWNED	1	31,245	
BUILDING, MID COUNTY RECREATION CENTER 2004 QUEENSGUARD ROAD SILVER SPRING 20906		BUILDING, OWNED	1	31,086	
BUILDING, CHEVY CHASE LIBRARY 8015 CONNECTICUT AVENUE CHEVY CHASE 20815		BUILDING, OWNED	1	16,306	
BUILDING, FIRE STATION 22 18910 GERMANTOWN RD RTE 118 GERMANTOWN 20874		BUILDING, OWNED	1	16,445	
BUILDING, WESTERN COUNTY OUTDOOR POOL 20151 FISHER AVENUE POOLESVILLE 20837		BUILDING, OWNED	1	4,500	
BUILDING, GREY COURTHOUSE 27 COURTHOUSE SQUARE ROCKVILLE 20800		BUILDING, OWNED	1	92,450	
BUILDING, HOB 401 HUNGERFORD DRIVE ROCKVILLE 20850		BUILDING, OWNED	1	82,898	
BUILDING, SILVER SPRING HEALTH CENTER 8630 FENTON STREET 20910		BUILDING, LEASED	1	21,063	
BUILDING, LELAND/JAMEE LAYTON DAYCARE CENTER 4301 WILLOW LANE CHEVY CHASE 20815		BUILDING, OWNED	1	2,975	
BUILDING, BOARD OF ELECTIONS@ SENeca 18753 N. FREDERICK AVENUE SUITES G-T GAITHERSBURG 20879		BUILDING, LEASED	1	67,673	
BUILDING, FIRE STATION 115920 MASSACHUSETTS AVENUE		BUILDING, OWNED	1	11,375	
BUILDING, HAMPSHIRE GREENS TOWER ROUTE 650 & 198		BUILDING, LEASED	1	0	
BUILDING, GAITHERSBURG DAYCARE 112 WEST DORFORD AVENUE GAITHERSBURG 20877		BUILDING, OWNED	1	2,408	

3) Total Data Conversion Time: 3 hours from start to finish, saving time & money.

????? Questions ?????

