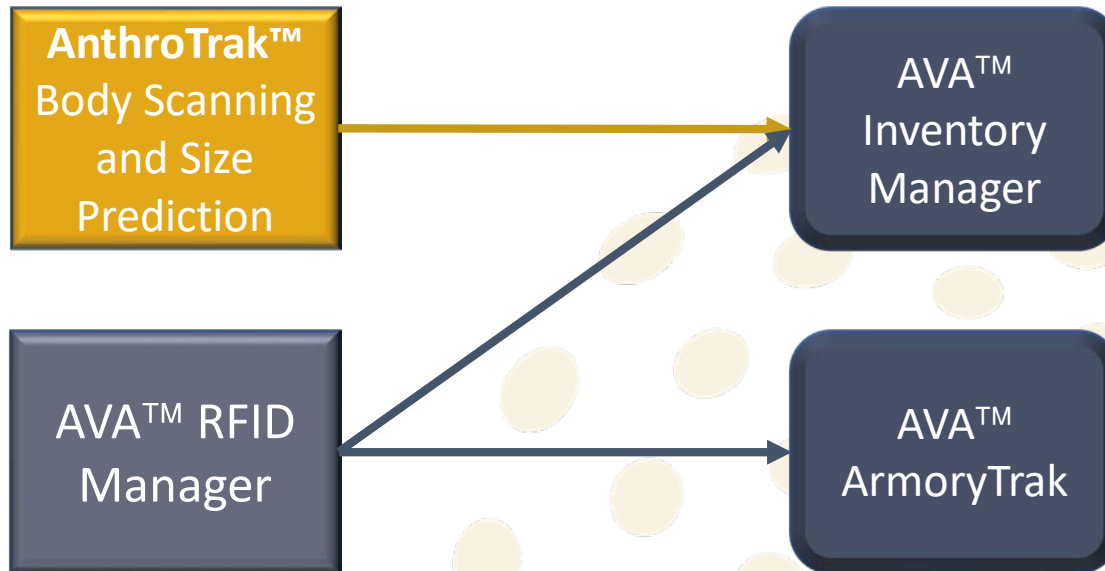
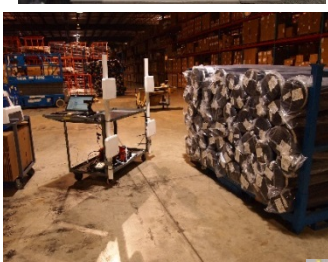


## AVA™ Logistics Suite: Systems Overview

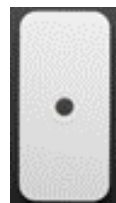
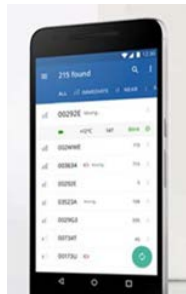


# Automated Data Capture Technologies

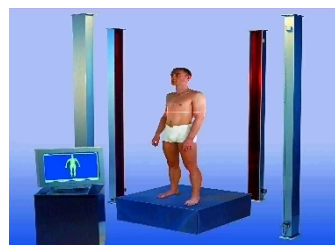
## RFID



## LEB / RTLS



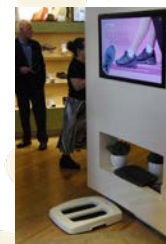
## Measuring Devices



Whole Body Scanning



Kinect



Foot Scanning



Hand Measuring

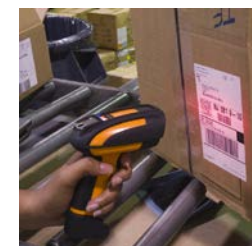
## Others



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™ 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

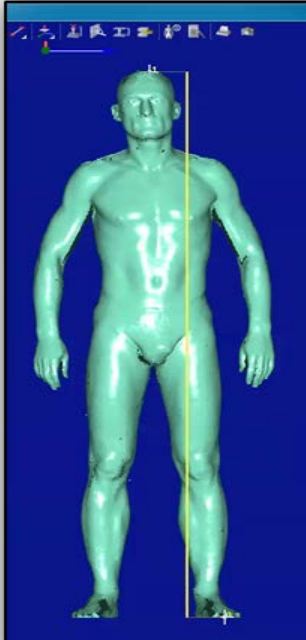
AVA™  
Inventory  
Manager

AVA™  
ArmoryTrak





# 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

## Low Energy Bluetooth



Metal Containers



Refrigeration Units



Moveable Assets



Fork Lifts



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](http://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



# 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 document viewer interface showing 15 pages of data tables. The tables are organized into a grid with 2 rows and 7 columns. Each page contains a table with multiple columns and rows of data, likely representing building and facility information. The document viewer interface includes a search bar at the bottom left and navigation controls at the bottom right.

## ????? Questions ?????

