Tool Tracking and Security System

The amount of time workers spend with tools is a measure of productivity, which has a direct impact on performance and profitability.

It's not unusual for maintenance crews to report that they spend two hours searching for tools and another two hours dealing with equipment that is damaged or out of fuel, during a typical 12-hour shift.

Real-time RFID tracking and registry software reduces time-wasting activities, such as searching for tools or discovering that critical equipment is in need of repair or out of fuel.

➢ Register tools and equipment

➢ Real-time location and status controls

➢ Monitor inspections and maintenance

➢ Attach tool specifications documents

➢ Provide security and prevent shrinkage

SmartTraxx is a powerful, flexible system for tracking tool and equipment check-in, check-out and movements. Designed to reduce inaccessible, lost or unused equipment, SmartTraxx provides real-time visibility of tools and equipment, providing critical 'location data' enabling enhanced asset utilization across the enterprise.

Hand tools, safety equipment, large scale equipment, rental equipment, service maintenance schedules and more can all be tracked to optimize performance. SmartTraxx supports bar code and RFID (radio wave) technologies to streamline tracking of tools and equipment. RFID enables passive tracking real-time throughout facilities and out-the-door.

Replace manual record keeping procedures and spreadsheets with database management software for registering tools and equipment, and computerized tracking of locations and movements. SmartTraxx maintains a complete history of 'who' 'what' 'when' 'where' and 'why' for all tools and equipment from acquisition through final disposition.

Tool Tracking Technologies

Assets can be monitored with intuitive software screens, including the ability to track the location, status and disposition of assets. Bar code or UHF tags can be placed on assets to automate and streamline asset identification and tracking utilizing portable and networked detectors.

Bar Coding

Bar Codes scan one-at-a-time from close proximity. USB bar code scanners are utilized for check-in and check-out by tool crib personnel or by staff themselves. Tool and equipment tags are scanned and then ID card bar code or software to identify destination.

Portable bar code scanners can be utilized to scan bin, shelf, pallet or any discreet location bar code tag and tool / equipment tags when placed into storage.

Portable bar code scanners can also be utilized to transfer-to-destinations at time of accessing from storage.

UHF RFID

UHF RFID (915MHz Ultra High Radio Frequency Identification) scans many objects 'all at once' from distances up to approximately 40'. Kiosk style workstations include human-assisted USB scanners and/or *passive* network antenna to identify tools and equipment that are being removed-from or returned to storage.

RFID antennas can be placed at doorways, dock doors or any choke point for passive tracking of tools and equipment as-they move.

Portable scanners perform rapid inventories from-a-distance and FIND 'missing' objects.

Active RFID/ Bluetooth

Active RFID (433MHz Long Range RFID) and BLE technologies enable variable distance detection zones up to approximately 1,500'.

Like UHF RFID, antennas can be placed at doorways or any choke-point to scan tagged objects and people as-they-move. Additionally, linear or circular antennas can be mounted at any location for real-time-tracking.

Tagged people and/ or objects are continuously detected and locations updated real-time in the tracking system database using WiFi or Ethernet networks.

Mobile Computing

In addition to supporting a wide range of portable bar code, UHF and Active RFID scanners, SmartTraxx also supports smart phones and tablets for managing tools and equipment. Portable devices enable mobile computing, inventories, counts and functions anywhere, anytime.

Technology

SmartTraxx is developed in the J2EE environment, providing enterprise-class, distributed database management of tools and equipment. SmartTraxx is 'web based' enabling installation on local or cloud servers and using workstation browsers. HTML, Android and iOS GUI's.

SmartTraxx Tool and Equipment Manager

SmartTraxx is commercial off-the-shelf software that has been continually iterated since 1997, including rapid application-development-toolkit for software configuration. SmartTraxx leverages all of the features and capabilities developed for prior clients, to rapidly customize solutions for each new client, best ensuring solution success with budget-friendly pricing.

SmartTraxx has been implemented for customers in eighteen (18) countries, including eight (8) federal governments, along with many high profile commercial clientele worldwide. SmartTraxx makes it quick and easy to enter, organize and catalog tools, including functionality to track tools in-storage, in-use, warranties, inspections/calibrations, maintenance and depreciation.

Bar coding, UHF RFID and Active RFID provide state-of-the-art technologies for manual and passive tracking of tool and equipment movements and custody. SmartTraxx provides enterprise visibility of tools and equipment, improving asset utilization and adding profit to the bottom line.

Features and Benefits

► Unlimited tools, locations and Users

► User defined software functionality

► Check-in and Check-out

► RFID for location tracking real-time

► Continual tracking of tool statuses

► Complete histories and audit trails

► Unlimited standard & custom reports

Representative Clients

► U.S. Department of State

► U.S. Department of Transportation

► U.S. Air Force

► Saudi Arabia Royal Guard

► Trinidad-Tobago Police

► Royal Bermuda Regiment

► U.A.E. Ministry of Interior

Tool Management Software

#	Field Name	Value	Example
	Location	PORT OF SPAIN	
1)	Asset Class	U2200	U1000
2)	*Asset #	220219	300078
3)	Asset Description 1	SUMP PUMP (SUBMERSIBLE)	MOTOR VEHICLE
4)	Asset Description 2		Toyota Rav4 Black PDE 3928
5)	Capitalization date	05/08/2001	29/09/2014
6)	Acquisition Value	1408.75	310256.51
7)	Accumulated depreciation	-1268.66	-140676.98
8)	Book Value	140.09	169579.53
9)	Currency	TTD	TTD
10)	Serial Number		60D20144018
11)	Inventory Note	ES-1L012779	FC-1O992216
12)	Cost Center	CUTC9000	CUTC9108
13)	SAP Location	1	1
14)	First Acquisition Date	05/08/2001	29/09/2014
15)	Order Depart Start Date	05/01/2005	29/09/2014
16)	Investment order		AMV0501
17)	Useful Life		15

----- OTHER DATA -----

#	Field Name	Value	Example
18)	Color	Blue	Blue
19)	Model	SuperMax	Inspiron
20)	Make	Belco Manufacturing	Dell
21)	Insurer Name	Industrial Insurance Company	
22)	Policy #	E144587	
23)	Policy Type	Full Converage	
24)	Policy Start Date	08/11/2017	
25)	Policy End Date	08/10/2018	
26)	Custom Barcode	A1231234	A1000001
27)	RFID	012345678901234567891235	E20030000000000000001234
28)	Location of Photo	⬆ [Upload Image]	

Unlimited Object Types, Locations, and Users

Complete Customization for each Client

Supports Bar Coding, UHF RFID, Active RFID, Bluetooth and Mobile Computing

VirtualDoxx

www.virtualdoxx.com

info@virtualdoxx.com