

Welcome to the world of RFID Tool Management

Tooling Promotions Zambia Ltd brings you the Tool Store PC System, an innovative way to track and manage your store's assets. By setting up a system inside your store, storemen and supervisor's can easily manage assets with the help of RFID & Biometric technology.

Each asset/tool is issued with a tag with a pre-defined address which is registered with the PC. One can simply enter the description and value of the asset, time allocated against the use of the asset and lastly the bin allocation. The asset can then be issued out to the registered user by scanning the tag and the employee's fingerprint.

At the end of the week or daily shift, the storeman on duty can pull a excel report of all outstanding tools not yet returned and mail it to the respective supervisor's for investigation.



Welcome to the world of RFID Tool Management – RFID Explained

Example of the asset issue/return page



The screenshot shows a window titled "JT Trace Engine" with a table of asset issue/return records. The table has six columns: EmpNo, Employee Name, Date time, Direction, Description, and Tag UID. The data is as follows:

EmpNo	Employee Name	Date time	Direction	Description	Tag UID
309284	RAPHAEL CHASAUKA	22-Aug-2016 10:29:04		1 item booked IN succesfully	
		22-Aug-2016 10:35:32	IN	FOLKLIFT KEY 01	E200 3412 0131 F800 07C3 CD17 1B1F
16581	DAVIES SILUMBWE	22-Aug-2016 10:40:31		1 item booked OUT succesfully	
		22-Aug-2016 10:46:59	OUT	VANADIUM SOCKET 1-1/8MM	E200 3414 0128 0101 6D6E FFE9 1821

Exact time and date is registered and cannot be compromised.

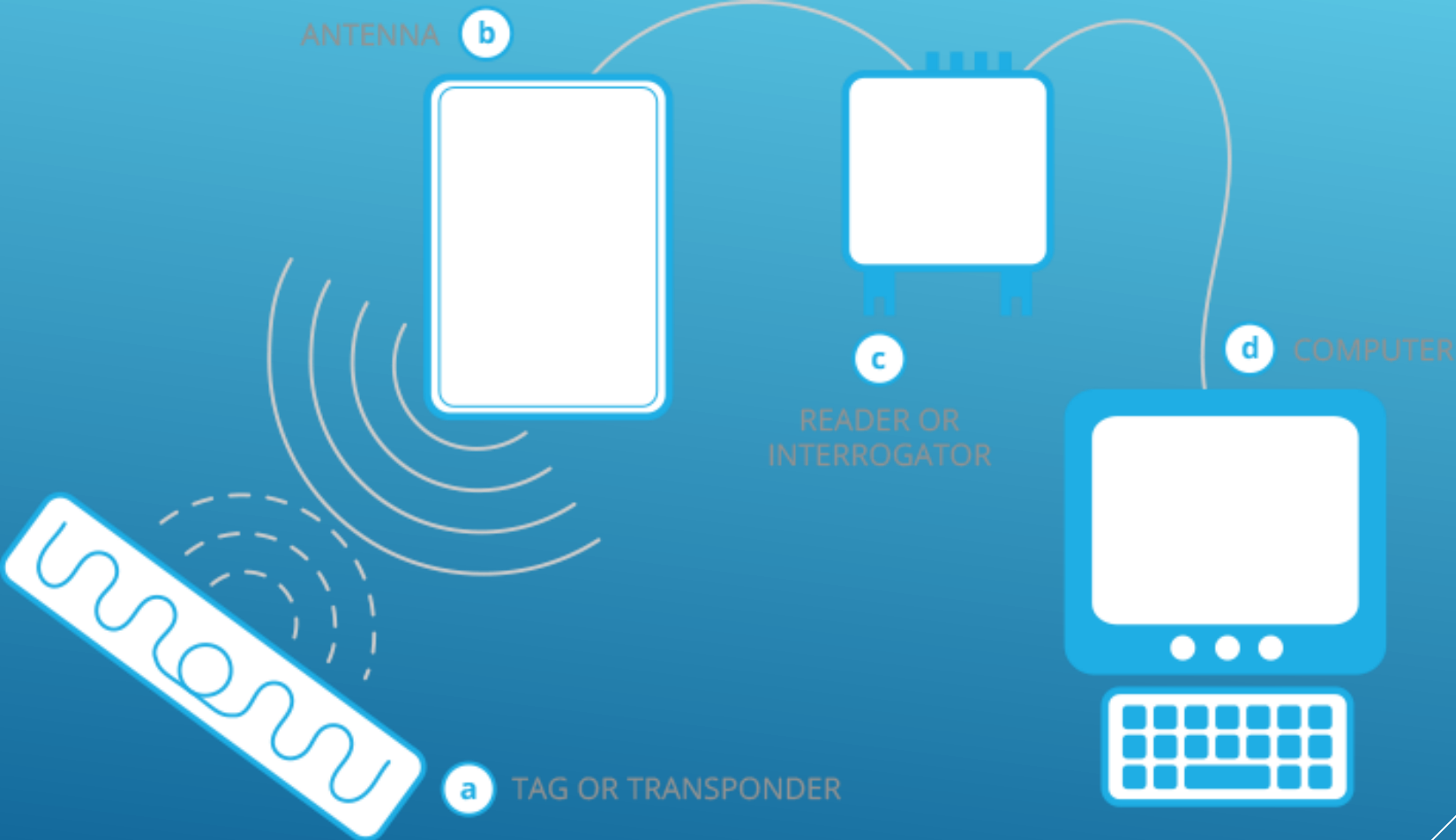
The description is linked to more detailed information regarding the asset by using/accessing the JT Trace application.

Each employee has to register at least two fingerprints and avail their mine number as part of accountability and is unique.

Accountability remains with the employee, whether it is the storeman whom issued the asset/tool or the employee(user) who picked the asset/tool.

Welcome to the world of RFID Tool Management – RFID Explained

How does it work?



Welcome to the world of RFID Tool Management – RFID Explained

What is RFID?

Radio-frequency identification. Radio-frequency identification (RFID) is the wireless use of electromagnetic fields to transfer data, for the purposes of automatically identifying and tracking tags attached to objects. The tags contain electronically stored information.

What is Passive RFID?

A passive tag is an RFID tag that does not contain a battery; the power is supplied by the reader. When radio waves from the reader are encountered by a passive rfid tag, the coiled antenna within the tag forms a magnetic field. The tag draws power from it, energizing the circuits in the tag.

What is Biometrics'?

Biometrics is the measurement and statistical analysis of people's physical and behavioral characteristics. The technology is mainly used for identification and access control, or for identifying individuals that are under surveillance. The basic premise of biometric authentication is that everyone is unique and an individual can be identified by his or her intrinsic physical or behavioural traits.
(The term "biometrics" is derived from the Greek words "bio" meaning life and "metric" meaning to measure.)

Welcome to the world of RFID Tool Management



Fingerprint Enrolment Device



IN – Fingerprint Scanner



Storeman & Employee

RFID Tag examples (many different types available)



Welcome to the world of RFID Tool Management – Other Uses

Other Uses for this system:

Keep track of items sent for repair/calibration by loading the contractor/supplier's details on the system.

Keep track of calibration and service dates.

Engine/transmission swop outs can be managed by registering a tag against the replacement part.

By adding a handheld scanner, stock take can easily be completed in a matter of minutes.

Welcome to the world of RFID Tool Management – RFID Support

We offer after sales support as part of a service agreement to maintain the system, make regular back-ups and ensure minimal down-time.

We can access the system from anywhere in the world by means of team viewer and resolve any issue. The requirements for this is a storeman to be present, pc switched on and a stable internet connection.

We are based in Solwezi and Kalumbila, Zambia and offer a quick turn-around time.

We also offer a full store management programme which incorporates this system and shifts all accountability to us.

Welcome to the world of RFID Tool Management – Contact

Please contact us for more information:



Tooling Promotions Zambia Ltd

Office No 10 Kankasa Mall
Solwezi
Zambia
T:(+26) 096 473 2769
E:donovan@toolingpromotions.com

Follow us on.....

