

Product Datasheet: VETrak® Smartray™

VETrak® Smartray™ Features:

- Non-invasive measurement of liquid level inside sealed vaccine vial or bottle
- Hardware is based on state-of-the-art Radio frequency technology
- Monitors liquid medication and vaccine vial dose usage
- Scan, capture and store barcode or RFID data - expiration date, lot number, vaccine & manufacturer name, dose, total volume
- Reduces vaccine and medication wastage
- Automates inventory supply chain process
- Vaccine and medication scheduler due tracking and alert
- Vaccine consumption tracking
- Vaccine inventory tracking
- Interface with vaccine distributor supply chain and EMR system
- Each **Smartray™** holds multiple vials and bottles
- Generate reports- vaccine inventory, level-measurement, consumption, given & due scheduler
- Big Data analytics report on collected data
- Mobile Web Apps iPhone
- Operating Temperature -0 to +70°C

VETrak® Smartray™



Patented and Approved

Product Family Overview:

The FMS Inc., first patented commercial product **VETrak® Smartray™** system for swine industry has successfully passed customer site or field testing. Hardware unit is based on state-of-the-art Radio frequency technology.



The **VETrak®** system allows user to measures liquid level in **six** sealed swine liquid medication bottle per **Smartray™**.

The **VETrak® Smartray™** system is sensitive enough to respond with these different swine liquid medication combination - from water based medication to oil based medication to different solution mixtures, from transparent liquid to thick, dark opaque, color solution from 25ml to 600ml in different glass and plastic bottle sizes, even most critical and different types of liquid medication.

Functional Description:

The **VETrak® Smartray™** hardware system measures vaccine liquid level and volume in a sealed bottle. The custom built-in application graphic user interface (GUI) software online workflow monitors and tracks the inventory system from purchase to consumption phase. Track given vaccine, vaccine due scheduler, generates all tracking, monitoring and statistic reports. Also big data analytics report on collected data.

Hardware Unit:

Part:

- **Smartray™** with 6-holders
- Cabinet Drawer
- Controller Box
- Security Lock
- Barcode scanner

Laptop:

- Laptop, application graphic user interface (GUI)
Software is installed.

AC Power Supply Adaptors:

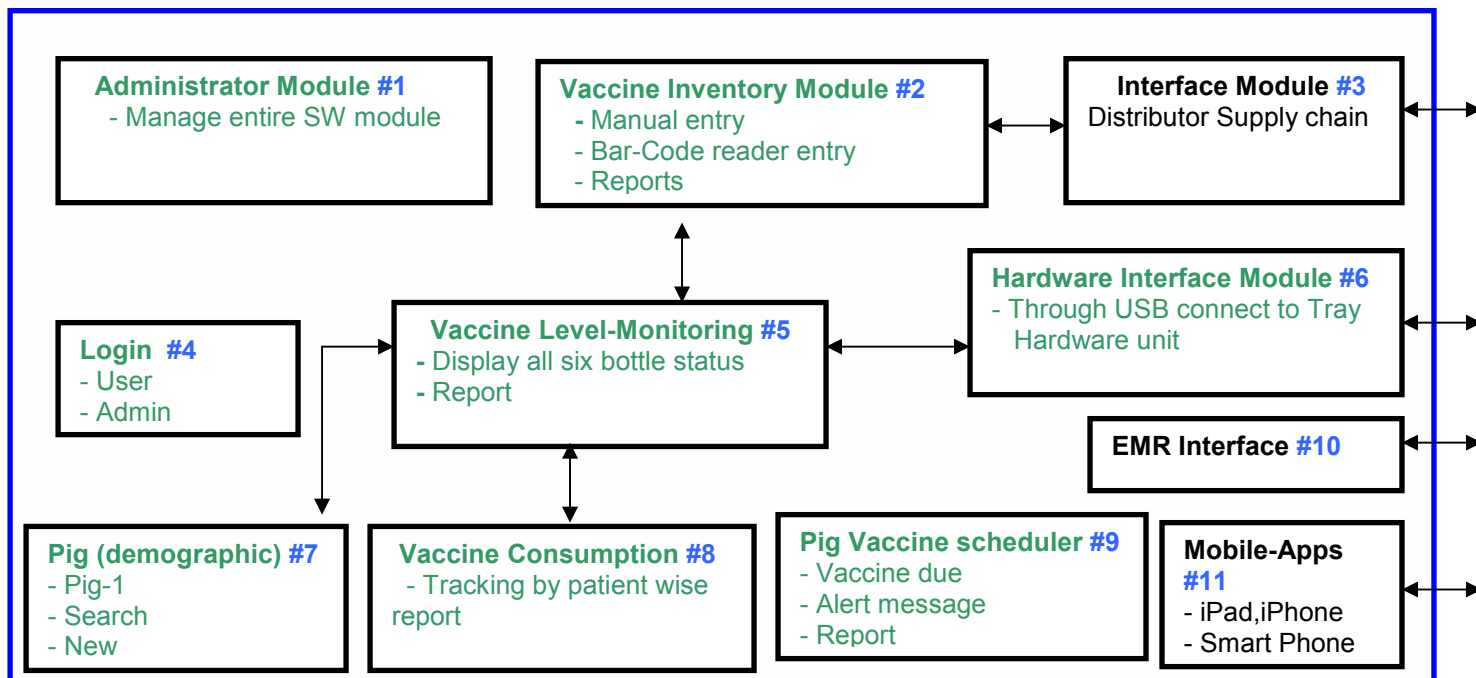
- Controller-board unit 5V dc 2Amp
- **Smartray™** unit 3.3v dc 2Amps

Application GUI Software Description:

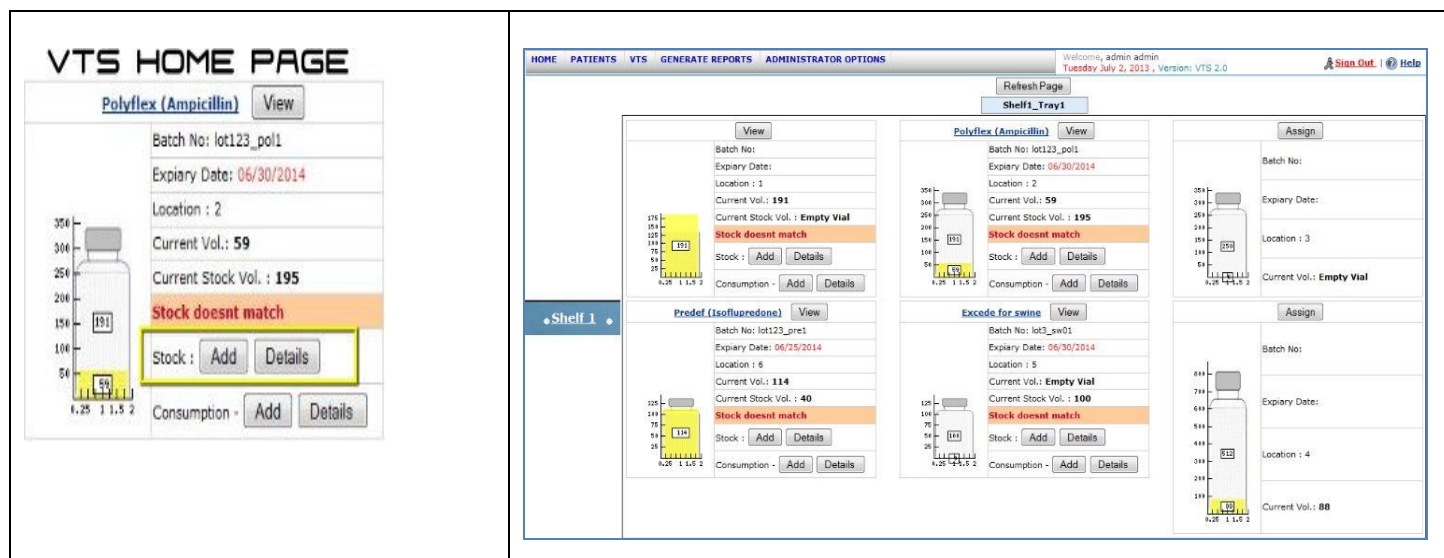
- Web and user based the **VETrak® Smartray™** inventory management system software
- Barcode/RFID data collection
- Vaccine due alert messaging
- Medication Consumption or given medicine tracking system
- Inventory system - single liquid drop to bottle/vial level to vial lot number
- Medicine purchase order
- Connect to medication supply chain distributor

- BIG data analytics report on collected data and various report generation
- Connect or interface with Swine any EMR system
- Mobile Web Apps – Smart phone, iPhone & iPad

Workflow:



Screenshot:





Installation:

VETrak® Smartray™ system custom application GUI software is pre installed and configured on Laptop.

Users:

End user – Swine Firm

Intermediately user – Veterinary clinic

Supply chains user – Distributor or pharmaceutical company

Advantage and Benefits:

- The **VETrak® Smartray™** patented product approach is unique and first of its kind in swine industry
- Allows swine firm owner to **reduce medication cost, operation cost** and control & **reduce wastage.**
- Entire workflow is digitized and online
- Interface with distributor supply chain
- Interfaces with any EMR system