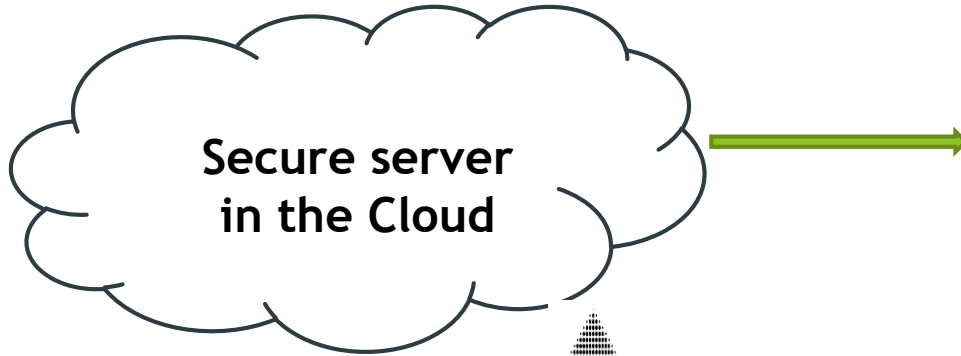




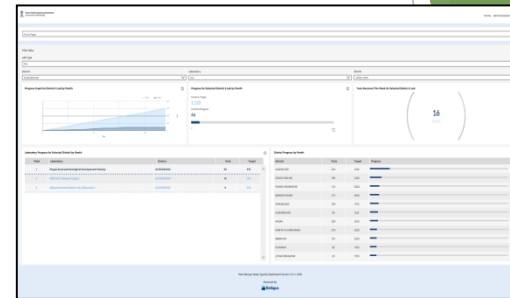
Water Quality Monitoring System



Presented By :Ruth Wambui - Regional Sales & Marketing



Dashboard



For all or restricted Users as per

The report table has columns for various parameters and their values. The data is organized in a grid format.

Reports available for download in Excel format

GPS



Wireless Data Acquisition



Real Time Image Capture



"On-Site Mobile Analysis System"



Bacteriological Colony

Benefits

- ▶ Source Identification
- ▶ Sanitary Survey Questionnaire
- ▶ Auto Counting of Colonies (Colour Sensitive) & Auto capturing of Result
- ▶ Direct feed of the physical and Chemical results on the App
- ▶ Stock Management
- ▶ Challenges & Alert Mobile Application

DASHBOARD

- ▶ Multiple Login
- ▶ Routine Water Testing Data
- ▶ Result Comparison Section for all the parameters
- ▶ Edit Section for Audit Trail - For accountability
- ▶ Google Map indicating Areas of Low / Medium / High Contamination

Report Section

Ward

County

Month

Year

Sanitary
Survey

Bacteriological
Water Quality

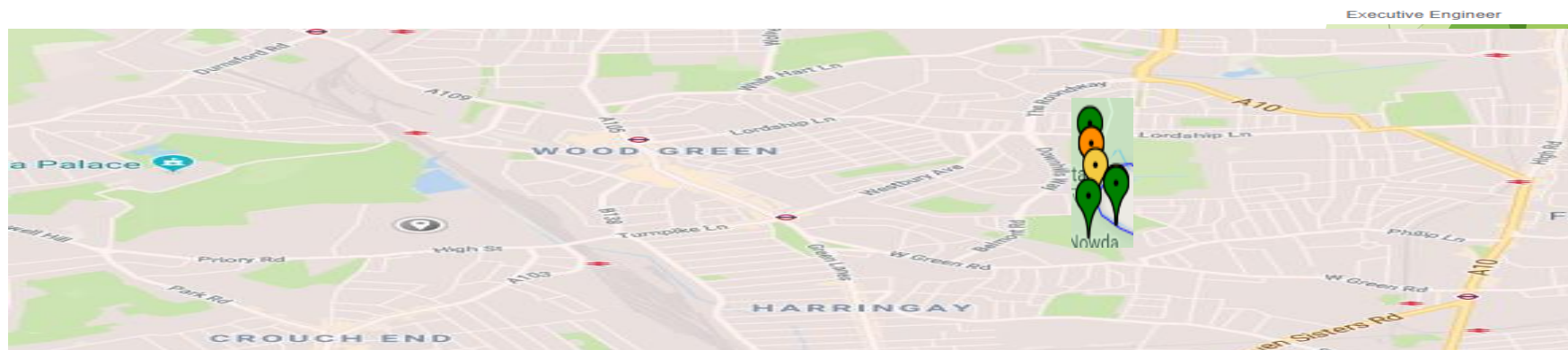
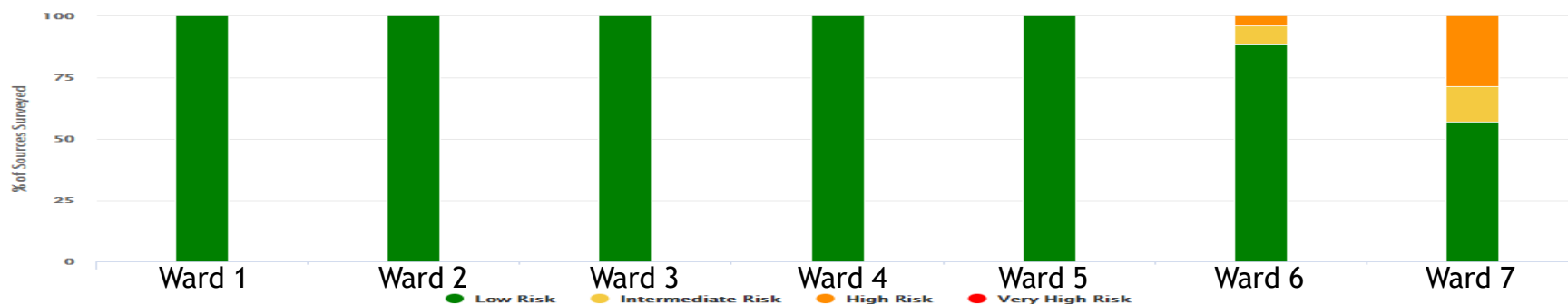
Iron

Arsenic

Fluoride

Salinity

Sl. No.	Parish / Ward	No. of Handpump Tubewells surveyed	Sanitary Survey categories				Broken platform
			Low risk (0-3)	Intermediate risk (4-5)	High risk (6-8)	Very High risk (≥9)	
-	-	-	1	0	0	0	0
1	Ward 1	1	4	0	0	0	0
2	Ward 2	4	4	0	0	0	0
3	Ward 3	4	1	0	0	0	0
4	Ward 4	1	2	0	0	0	0
5	Ward 5	2	23	2	1	0	1
6	Ward 6	26	4	1	2	0	0
7	Ward 7	7					



Executive Engineer

Stock Management Section

Ward

County

Month

Year

Search

Summary

Export

<u>Chemical Name</u>	<u>Current in use(No. of units)</u>	<u>Current Stock(Unit Quantity)</u>	<u>Current Stock(No. of units)</u>	<u>Good Stock(No. of units)</u>	<u>Expired Stock(No. of units)</u>
Aluminium Foil Paper	1	1	1	1	0
Ammonium Buffer Solution	1	500	1	1	0
Acetone	1	500	1	1	0
Arsenic Standard Solution	1	125	0	0	0
Biosol	1	450	7	7	0
Chloroform 500 ml	1	500	0	0	0

Chemical Stock Details

<u>Apparatus Name</u>	<u>Stock</u>
Amber 250 ml	2
Aspirator Bottle	2
Autoclavable Pipette Case	2
Beaker (Glass) 100 ml	8
Beaker (Glass) 250 ml	6
Beaker (Glass) 500 ml	4
Beaker (Plastic) 50 ml	12

Apparatus Stock Details

Challenges & Alert Section

Ward

County

Month

Year

Search

Export

Status: Opened

Status: Closed

Date	County	Ward	Instrument Name	Instrument Make	Fault Description (Free Text)	Ticket no	Date of Technician Visit / Consultation	Report Update (Free Text)	Repaired	Reason (Free Text)	Update text (Free Text)	Status
31-08-2018	KSM	Ward 1	Distilled Water Plant (Glass)	Fisher	Not working.	TN00000569	27-11-2018	Power Button Malfunction (Beyond Repair)	No	Beyond Repair	Has to be replaced.	Closed
31-08-2018	KSM	Ward 2	Magnetic Stirrer	Relitech	Not working.	TN00000568	27-11-2018	Stirrer Broken	Yes	NA	Magnetic stirrer working	Closed
31-08-2018	KSM	Ward 3	Turbidity Meter-Turbiquant 1100 IR	Wagtech	Display Issue.	TN00000567	27-11-2018	Tungsten Lamp rupture	No	Spare s not available	Replacement of Lamp required.	Opened

Needs/Partakers

- ▶ Utility Companies looking to do water quality Mapping
- ▶ County government mapping out of hot spots for Cholera
- ▶ Private water companies providers having different water sources
- ▶ Non Governmental organizations who are funding WASH Projects and need to report to their government collaborators or their public funding bodies.

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Thank you!