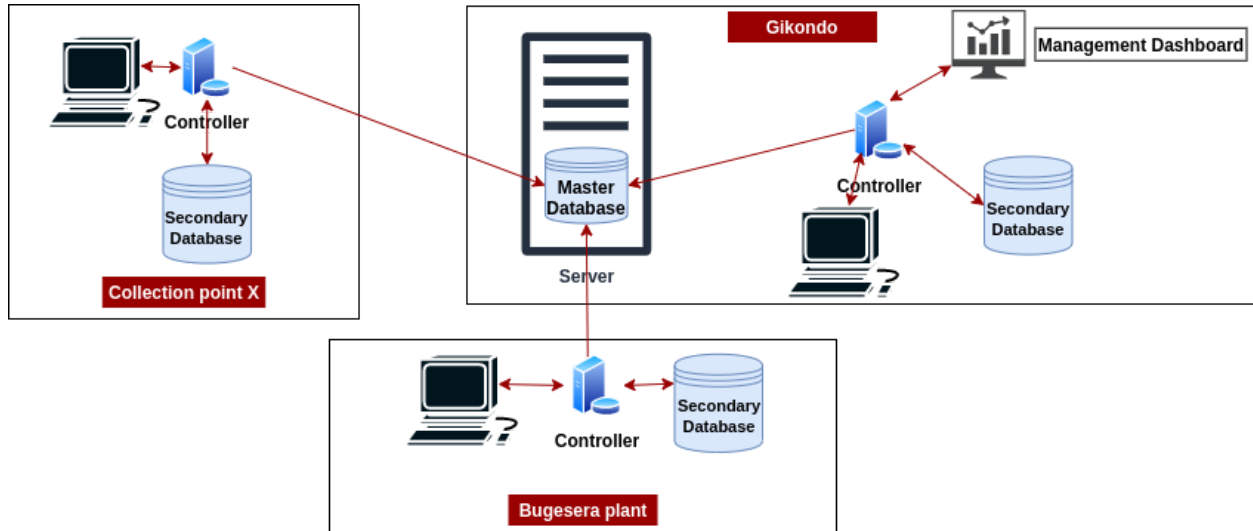
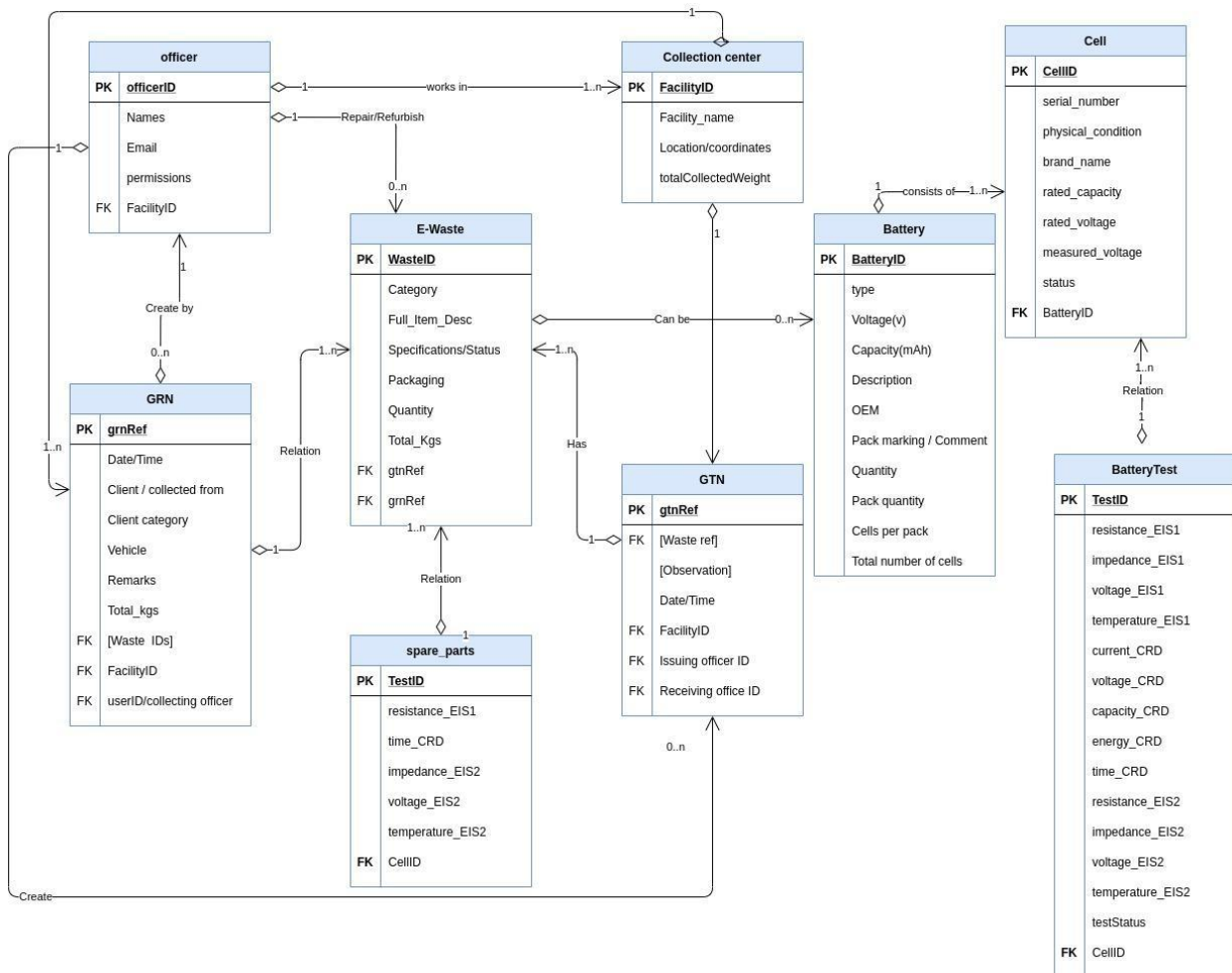


Inventory system - High Level Architecture



Inventory System - Data modelling : Entity Relationship Diagram



Inventory - modules and features

Module 1: Collection

- Fill and submit collection request
- Edit collection request
- Approve or deny collection request
- Fill and submit Good received Note(GRN)
- Search GRN
- Access waste inventory

Module 2: Processing

- Fill and submit Good Transfer Sheet
- View & Confirm received GTS
- View sent GTS
- ITAD - Record e-waste processing observations
- Dismantling - Record dismantled waste and extracted materials

Module 3: Batteries

- Add a new battery in the inventory
- Add battery cell information into inventory
- View battery and cell inventory
- View cell test results


Module 4: Monitoring

- View stock levels via dashboard
- Track KPIs

Inventory - Development progress

	User interface	Database	Logic Implementation
Battery Testing	DONE	DONE	DONE
E-waste collection	DONE	DONE	DONE
E-waste repair & refurbish	DONE	DONE	DONE
Management	DONE	DONE	DONE
Final Adjustments	IN-PROGRESS		

Inventory System - Screenshots



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Administrator
Online

Search...

Batteries and Cells

- [Add battery](#)
- [Battery Inventory 57](#)
- [Cell Inventory 252](#)

Cell tests Info


- [Cell tests results 253](#)
- [Search cell test info](#)

BATTERIES AND BATTERY TESTS

Battery details

Battery ID	Battery Type	OEM	
<input type="text"/>	<input type="text"/>	<input type="text"/>	
Voltage(V)	Capacity(mAh)		
<input type="text"/>	<input type="text"/>		
Pack Quantity	Quantity	Cells per pack	Total cells
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Description	Pack markings		
<input type="text"/>		<input type="text"/>	
Status/Remarks			
<input type="text"/>			

[Submit](#)



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Search...

Batteries and Cells

- [Add battery](#)
- [Battery Inventory 57](#)
- [Cell Inventory 252](#)

Cell tests Info


- [Cell tests results 253](#)
- [Search cell test info](#)

BATTERIES AND BATTERY TESTS

Show 10 entries Search:

Battery ID	Battery Type	Voltage	Capacity	Description	OEM	Pack markings	Quantity
LA-0001	lead-acid	12	1200	null	null	FIAMN	2
LA-0002	lead-acid	12	2000	null	null	LONG	1
LA-0003	lead-acid	12	2300	null	null	OUTDO	3
LA-0004	lead-acid	12	2800	null	null	YUASA 12V 2.8Ah	1
LA-0005	lead-acid	12	4500	null	null	T.E.T 12M4.5	1
LA-0006	lead-acid	12	5000	null	null	Power Plus Long 12V/5Ah/20hr	45
LA-0007	lead-acid	12	6000	null	null	OTONG 6-DZM-12	1
LA-0008	lead-acid	6	7000	null	null	RBC6 APC	1
LA-0009	lead-acid	12	7000	null	null	ROCKET	72
LA-0010	lead-acid	12	7000	null	null	Vision CP1270	69

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Search...

General

- E-waste inventory
- Search E-waste info

Goods Transfer Sheet

- New
- Received
- Sent

Repair-Refurbish

- Asset test & Repair
- Refurbished Stock

3 7

ASSET REPAIR-REFURBISH-DISMANTLE

GOODS TRANSFER SHEET

Document Ref no.	Receiving Officer	Date
<input type="text"/>	(Rwanda Revenue Authority)	<input type="text"/>

Waste items

SN	Full Item Description	Specification/Status	Packaging (Pcs/Kgs)	Quantity	Total Kgs	Category
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[+ Add Item](#)

Remarks


General Remarks

General remarks here...

Reset Form

Preview

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Search...

General

- E-waste inventory
- Search E-waste info

Goods Transfer Sheet

- New
- Received
- Sent

Repair-Refurbish

- Asset test & Repair
- Refurbished Stock

3 7

ASSET REPAIR-REFURBISH-DISMANTLE

Show 10 entries

Search:

waste_id	waste_desc	category	specification_status	packaging	quantity	total_kgs	grn_ref
W-001	Printer LaserJet	E-waste	E250 color	null	1	20	GRN-001
W-002	Server	E-waste	1TB Storage	null	1	250	GRN-001
W-003	Solar panels	Solar	Reflectant	null	20	120	GRN-002
W-004	Plastic bottle	Plastic	20L	null	50	12	GRN-002
W-005	CPU	E-waste	500GB storage 8GBRAM	null	20	200	GRN-002
W-006	p	ewaste	p	p	1	10	GRN-777
W-007	e	batteries	e	p	2	20	GRN-777

Showing 1 to 7 of 7 entries

Previous 1 Next