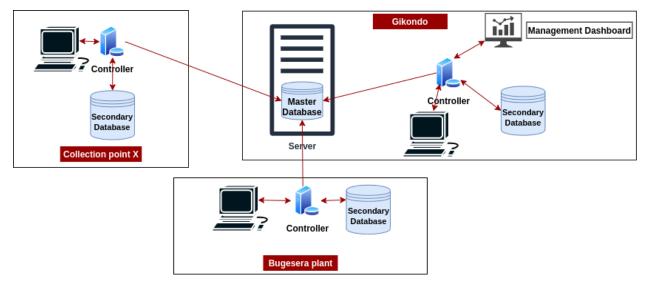
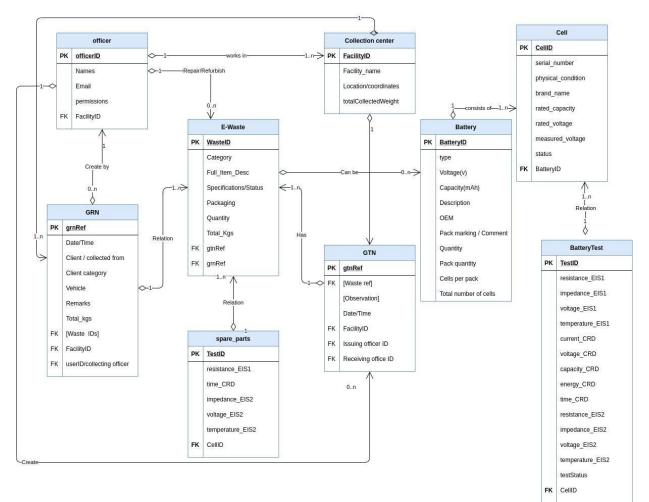


Inventory system - High Level Architecture



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

Then Smith				V/TEOT	L				
Jhon Smith		RIES ANI	D BATTER	AY TEST				_	
Administrator • Online			Batter			ry details			
Grand			Battery ID		Battery Ty	pe	OEM		
Search Q									
Batteries and Cells			Voltage(v)			Capaci	Ly(mAh)		
Battery Inventory (57)			Pack Quanti	ty Qui	antity	Cells pe	er pack Total cells		
Cell Inventory (252)					<u> </u>				
Cell tests Info			Description			Dacker	arkings		
Cell tests results (23)			Description	n Pack markings					
Search cell test info									
			Status/Remarks						
					s	ubmit			
≜ <mark>3 ⊠</mark> 7 ¢ [∎] U									
() enviroserve									
Jhon Smith	BATTERIE	S AND BA	ITERY TES	TS					
Administrator Si	how 10 🗢 e	entries							
							Search:		
Search Q	Battery ID 🔹	Battery Type	Voltage 🖘 🔹	Capacity 🖘	Description	▶ OEM ↑↓	Search: Pack markings 🛛 🕫	Quantity	
Search Q Batteries and Cells	Battery ID 🔹		Voltage 🖘 12	Capacity 🕫	Description 🗠	► OEM ↔ null		Quantity 2	
		Battery Type 🗠					Pack markings 🗠		
Batteries and Cells	LA-0001	Battery Type 🔹	12	1200	null	null	Pack markings 🖘	2	
Batteries and Cells 2 Add battery	LA-0001 LA-0002	Battery Type 🗠 lead-acid lead-acid	12	1200 2000	null	null	Pack markings 🔹	2	
Batteries and Cells Add battery Battery Inventory (57)	LA-0001 LA-0002 LA-0003	Battery Type	12 12 12	1200 2000 2300	null	null null null	Pack markings ** FIAMN LONG OUTDO Image: Control of C	2 1 3	
Batteries and Cells Add battery Battery Inventory (57) Cell Inventory (252) 	LA-0001 LA-0002 LA-0003 LA-0004	Battery Type Read-acid lead-acid lead-acid lead-acid lead-acid lead-acid	12 12 12 12 12	1200 2000 2300 2800	null null null null	null null null	Pack markings ** FIAMN LONG OUTDO YUASA 12V 2.8Ah	2 1 3 1	
Batteries and Cells Add battery Battery Inventory (57) Cell Inventory (252) Cell tests Info	LA-0001 LA-0002 LA-0003 LA-0004 LA-0005	Battery Type R lead-acid lead-acid lead-acid lead-acid	12 12 12 12 12 12	1200 2000 2300 2800 4500	null null null null null	null null null null null	Pack markings ** FIAMN I LONG I OUTDO I YUASA 12V 2.8Ah I T.E.T 12M4.5 I	2 1 3 1	
Batteries and Cells Add battery Battery Inventory (57) Cell Inventory (252) Cell tests Info Cell tests results (253)	LA-0001 LA-0002 LA-0003 LA-0004 LA-0005	Battery Type	12 12 12 12 12 12 12 12	1200 2000 2300 2800 4500 5000	null null null null null	null null null null null	Pack markings * FIAMN FIAMN LONG OUTDO VUASA 12V 2.8Ah T.E.T 12M4.5 Power Plus Long 12V/5Ah/20hr	2 1 3 1 1 45	
Batteries and Cells Add battery Battery Inventory (57) Cell Inventory (252) Cell tests Info Cell tests results (253)	LA-0001 LA-0002 LA-0003 LA-0004 LA-0005 LA-0006	Battery Type Radia Control Con	12 12 12 12 12 12 12 12 12	1200 2000 2300 2800 4500 5000	null null null null null null	null null null null null null	Pack markings * FIAMN * LONG * OUTDO * YUASA 12V 2.8Ah * T.E.T 12M4.5 * Power Plus Long 12V/5Ah/20hr * OTONG 6-DZM-12	2 1 3 1 1 45 1	
Batteries and Cells Image: Add battery Image: Battery Inventory (17) Image: Cell Inventory (15) Cell tests Info Image: Cell tests results (125)	LA-0001 LA-0002 LA-0003 LA-0004 LA-0005 LA-0006 LA-0007	Battery Type lead-acid	12 12 12 12 12 12 12 12 12 6	1200 2000 2300 2800 4500 5000 6000 7000	null null null null null null null	null null null null null null null	Pack markings */ FIAMN */ LONG UTDO */ YUASA 12V 2.8Ah YUASA 12V 2.8Ah T.E.T 12M4.5 Power Plus Long 12V/5Ah/20hr OTONG 6-DZM-12 RBC6 APC	2 1 3 1 1 45 1 1	



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Jhon Smith Administrator Online	SSET REPAIR-REFURBISH-DISMANTLE						
Search Q	Document Ref no.	Receiving Officer	Date				
General		(Rwanda Revenue Authority)					
E-waste inventory		Waste items					
	SN Full Item Description	Specification/Status Packaging (Pcs	<u>Kgs) Quantity Total Kgs. Cate</u>	egory			
Goods Transfer Sheet		😌 Add Item					
Mew		Remarks					
Received	General Remarks						
🙆 Sent	General remarks here						
Repair-Refurbish							
Asset test & Repair							
■ Dafurbichad Stock		Reset Form Preview					
enviroserve							

ASSET REPAIR-REFURBISH-DISMANTLE

Jhon Smi Administra • Online		Show 10 🗢 entries				Search:			
	Q	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
General	ton	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-00
oods Transfer Shee	ŧt	W-005	CPU	E-waste	500GB storage 8GBRAM	null	20	200	GRN-00
Received		W-006	р	ewaste	p	р	1	10	GRN-777
B Sent		W-007	е	batteries	е	р	2	20	GRN-777
epair-Refurbish		Showing 1 to 7	of 7 entries					Previous	1 Next
Asset test & Re	epair								
Bafurbishad S	tock								