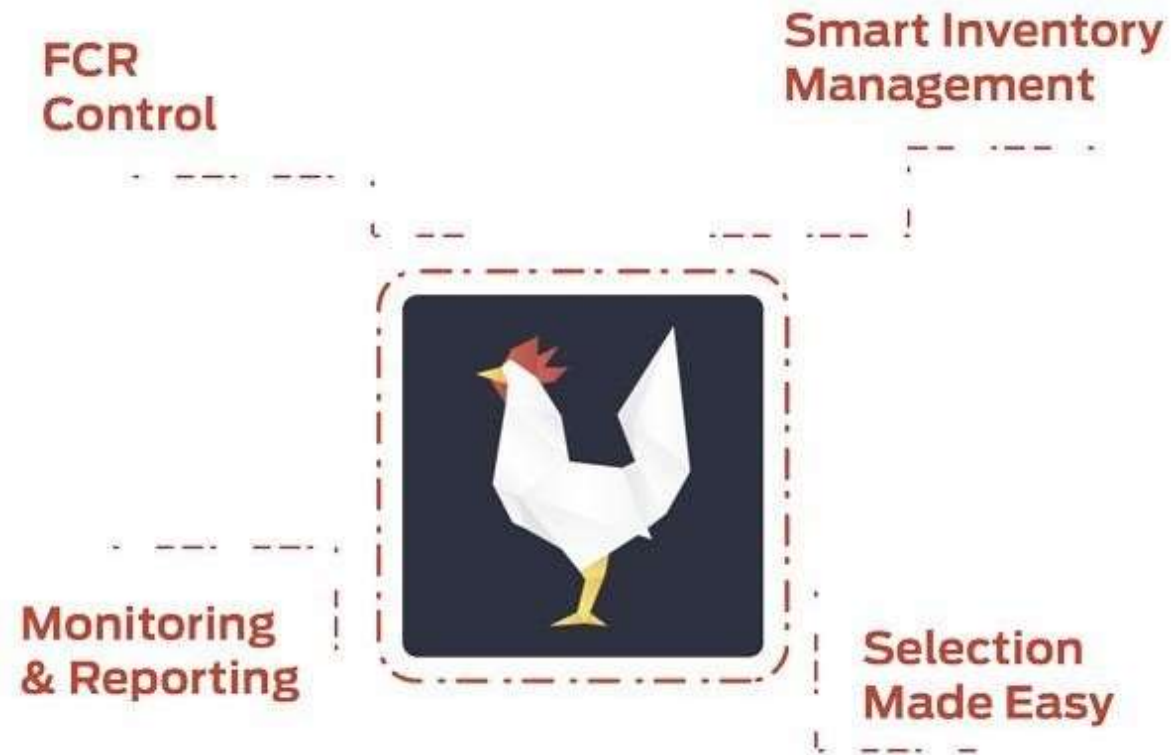


Personalize Farm Experience

Deliver end-to-end experiences across the entire farming lifecycle to support sustainability.



SOLUTION OVERVIEW

Agriculture has been the most traditional and effective mean of managing the civilization. Yet the sector has been un-structured primarily due to lack of awareness, education and innovative application to manage business needs.

NAVFARM helps enterprises in managing complete livestock from farm to fork.

Solution Overview - Poultry

- NAVFARM is an effective application to manage forward and backward integration for a Poultry Farm.
- NAVFARM™ helps contribute to managing the Flock operations for Grand Parent, Parent Stock, and Commercial Broiler
 - Farm Operations
 - Breeding & Laying Operations
 - Hatchery Operations
 - Live Bird/Commercial Broiler Bird (Including Contract Farms)
 - Production
 - Feed Formulation
 - Abattoir Chicken Processing
 - Supply Chain: Point of Sales, Sales, Retail, Warehouse & Distribution
 - Inventory, Procurement, Core Finance and Compliances
- NAVFARM™ also integrates with SCADA-enabled equipment such as through weigh-bridges to give you complete automation.
- NAVFARM™ is a user-friendly Business solution integrated with ERP Systems like Microsoft Dynamics 365 etc.



Grand Parent/
Parent/Eggs



Hatchery



Commercial
Broiler/Layer Bird



Retail



Feed Mill



Processing Plant

Application At A Glance



Customers	Parameters List	Released Prod. Orders	Posted Hatchery Entry List	Posted Transfer Receipt
Sales Orders	Template Master	Hatchery Entry List	Finished Production Orders	
Sales Invoices	Breed Master List	Data Entry List	Posted Transfer Shipment	
>	>	>	>	>

Activities

INTELLIGENT CLOUD



Learn More



Intelligent Cloud
Insights

LIVE BIRDS

QUANTITY IN FLOCKS	BABY CHICKS MORTALITY	LIVE BIRDS PLUCKING
1,158,355.00	60,100.00	939,142.00
>	>	>

HATCHER

BABY CHICK QUANTITY	CRACKED EGGS QUANTITY	HATCHING EG... QUANTITY	INFERTILE EGGS QUANTITY	DESTROYED E... QUANTITY	CULLS QUANTITY
572,139.00	16,090.00	2,695,874.00	34,865.00	20,897.00	8,993.00
>	>	>	>	>	>

MY USER TASKS

PENDING USER TASKS
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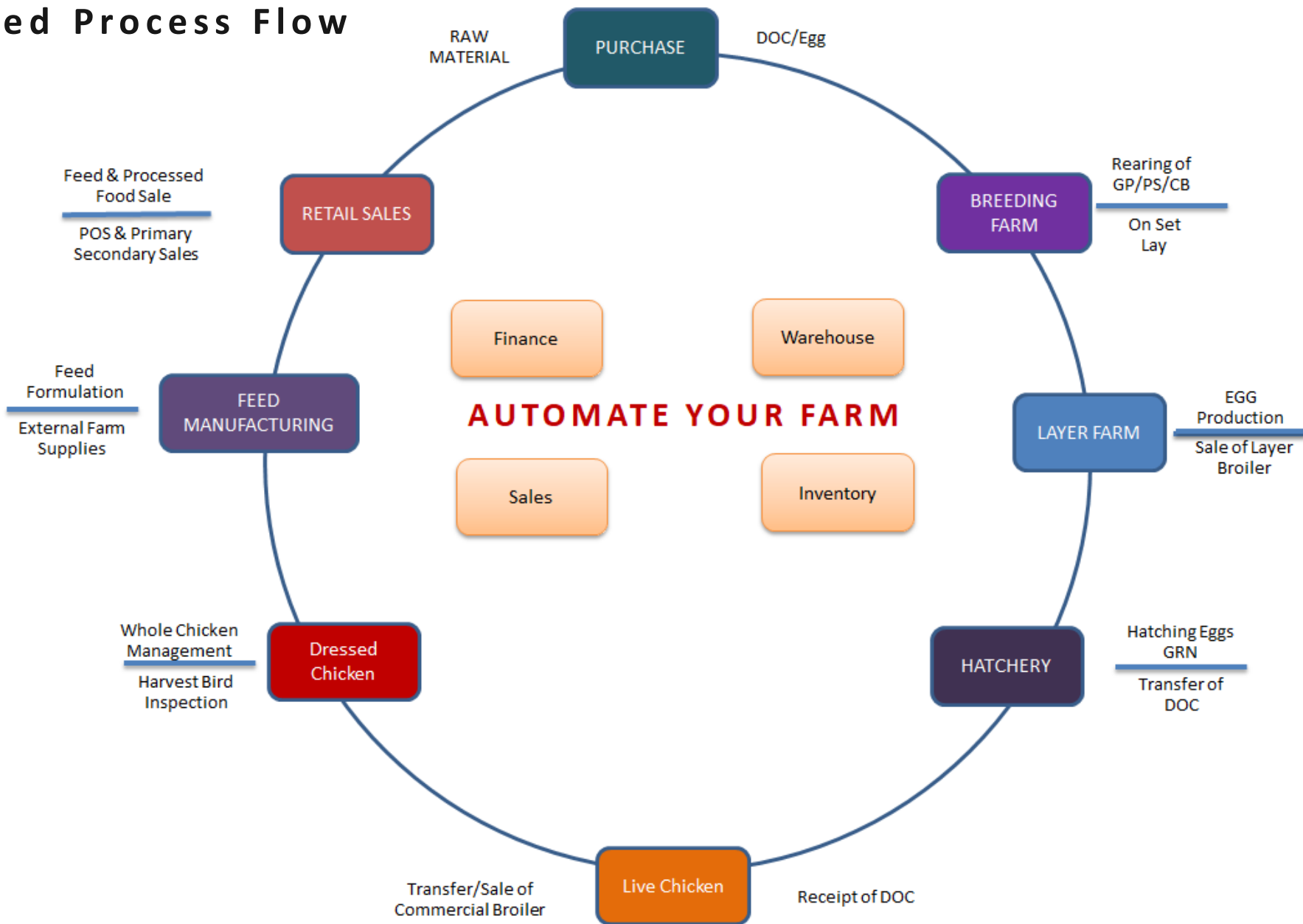
PRODUCT VIDEOS



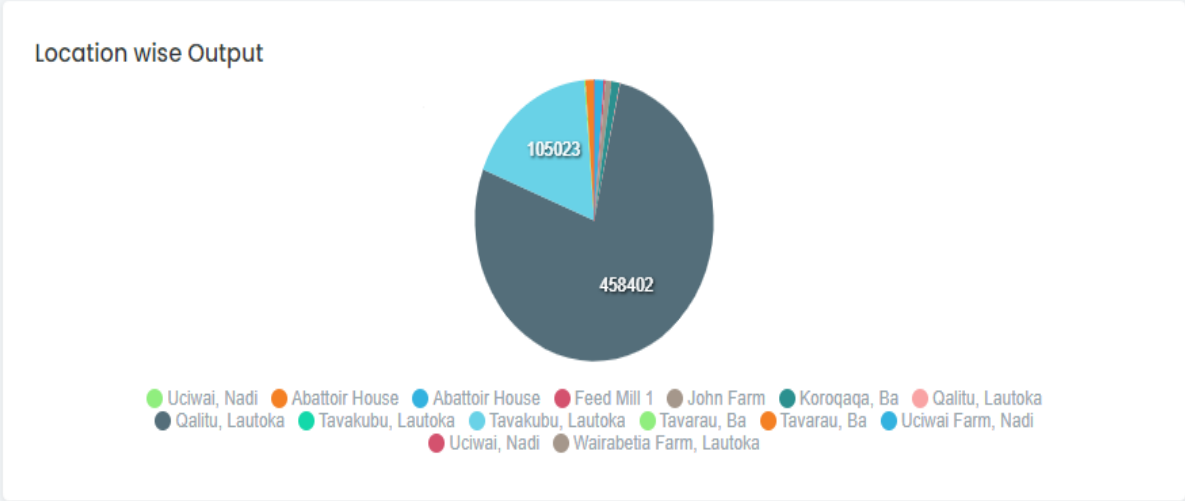
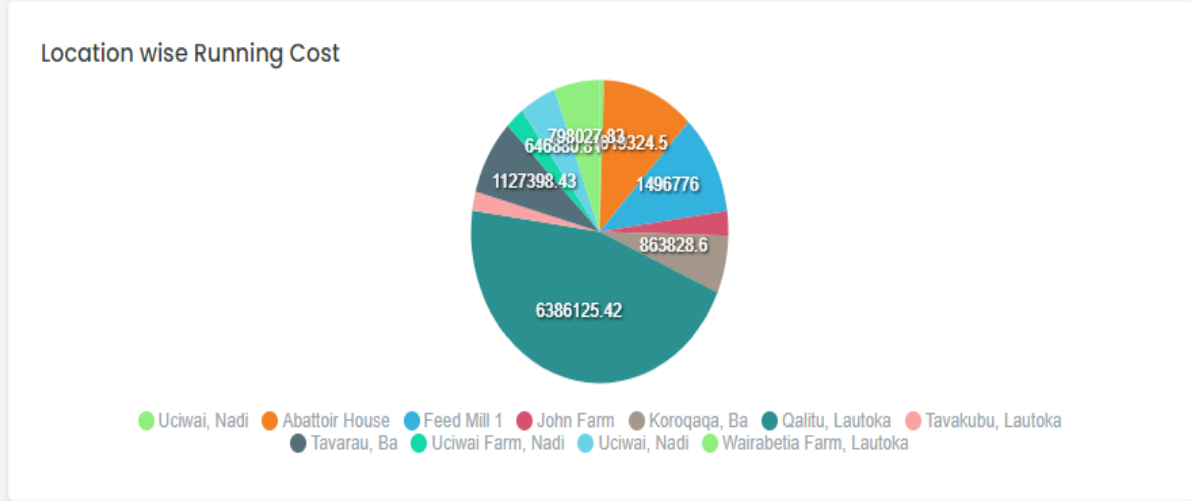
Product Videos



Integrated Process Flow



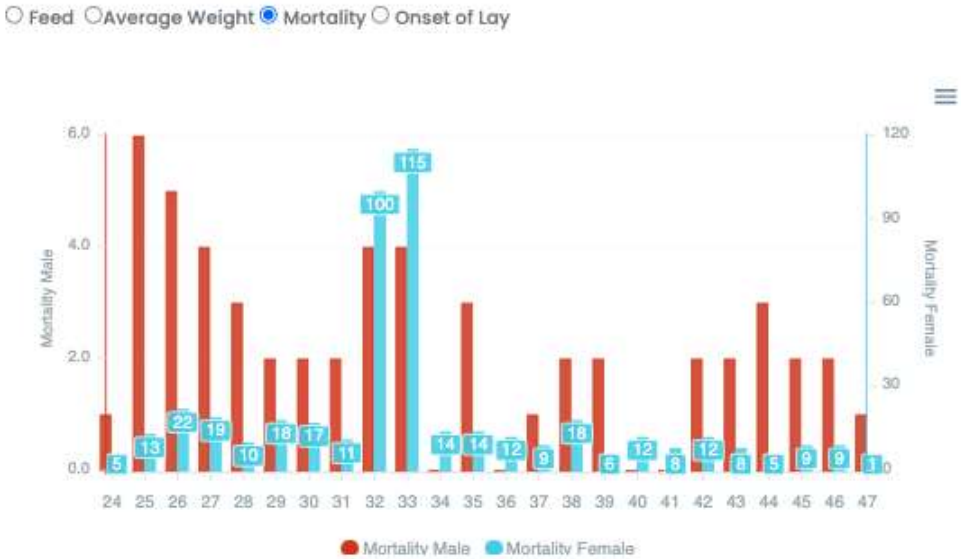
Total Locations	Poultry Sub-Locations	Running Batches	Flocks Quantity	LA Birds	DOC Birds
17	14	15	180698	13425	30000
CB Output	Egg Cost	M DOC Cost	F DOC Cost	LA FCR	CB FCR
4950	1.23	1205021.10	2102178.40	1.70	2.10
Bird Cost	Mortality	CULL	Feed (Kg)	Running Cost (K)	Sales (K)
31.49	2220	6231	253112.54	12,500	1.79



Breeding Farm Operations



CHALLENGES	Traceability to laying flock
	Centralize Procurement for multiple location. (ERP)
	Maintaining of procurement history. (ERP)
	Integrated workflow.
	Integration with finance. (Costing)
ADVANTAGES	Island of Information related to purchase, Inventory and Finance. (ERP)
	Information across Flock Traceability.
	System enable planning process with tight inventory control. (ERP)
	Centralized procurement along with workflow. (ERP)
	Retrieval of procurement history along with pricing. (ERP)
	Integrated environment across value chain including finance (ERP)



Laying Farm Operations

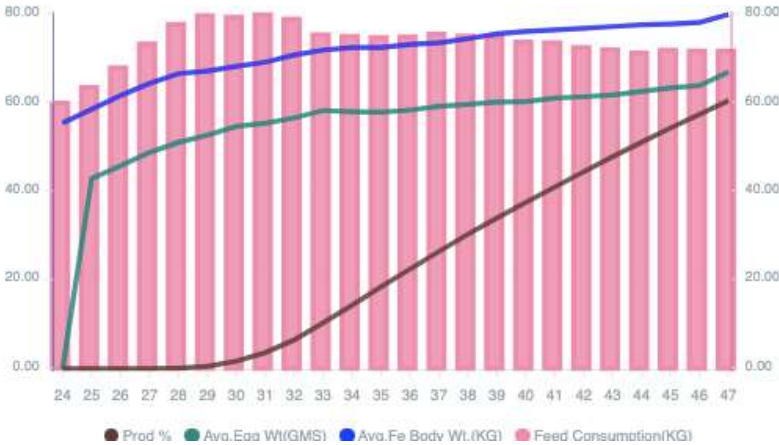


CHALLENGES

- Capturing of Flock information across farm on daily basis.
- Inventory control of consumable .
- Lack of real time visibility of key business drivers such as Key ratios like FCR
- Farm wise consumption
- Buildup of WIP cost.
- Finish Goods inventory control for CB/PS Eggs.

ADVANTAGES

- Real time capturing of Key Parameter on daily weekly and monthly basis.
- Up to date inventory for FG and Consumable item.
- Automatic calculation of all key ratios such as FCR , Mortality etc.
- Effective visualization through Analytical reports for business drivers.
- Centralize availability of information.
- Accounting for the contract farming.



On-Set Lay

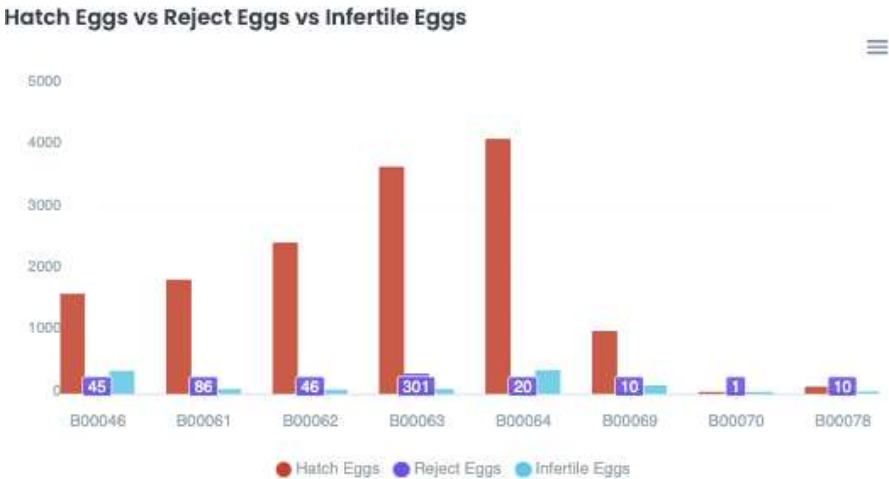


CHALLENGES

- Machine wise egg set information.
- Manual recording of temperature control.
- Islands of information as per the setter and hatchery process.
- Manual record keeping about infertile and damage egg information.
- Dual record keeping at hatchery & office.
- Data managed locally.
- Real time calculation of the key business drivers.

ADVANTAGES

- Complete Information of the egg set such as
 - Machine no.
 - Tray color.
- Infertile and damaged egg information on an operation like in the setting process and in the hatching process.
- Record temperature hourly as per as daily basis.
- Records are centralized. Inventory control in DOC
- Transfer to the cold storage



Commercial Broiler Farming (Incl Contractual Farm)

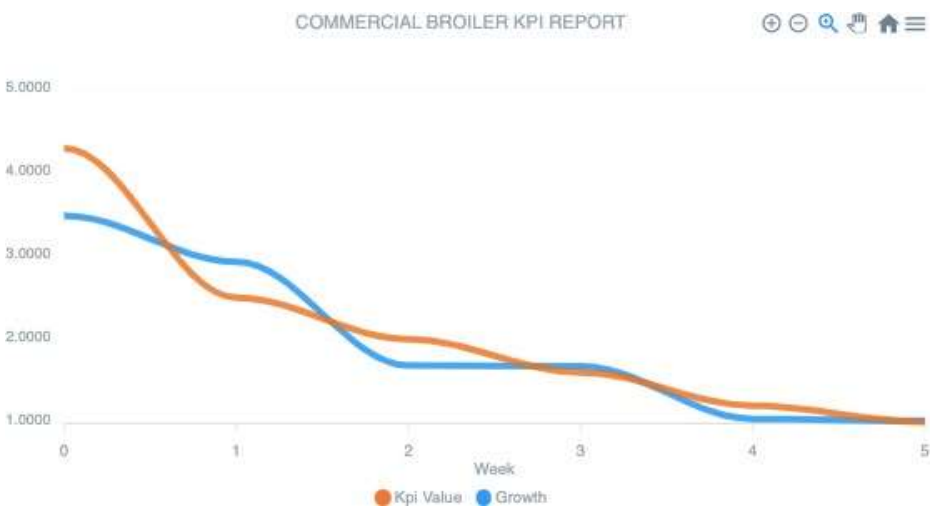


CHALLENGES

- Sale of Commercial Broiler
- Dynamics of market prices as per trends.
- Weighbridge information.
- Centralize invoicing.
- Costing Information
- Calculation of On Set Lay information
- Real time calculation of the key business driver.

ADVANTAGES

- Tight control on the dynamic pricing.
- Integration with weighbridge or SCADA machines
- Dual UOM control on CB for weight & No:
- Tight integration with the finance hence visibility on the total A/R aging giving credit control.
- Real time inventory visibility as per the quality of the chicken.
- Inventory control across supply chain including warehouse
- Transfers or sale of chicken



CHALLENGES

- Yield Control.
- Estimated VS Actual retrieval
- Manual record keeping on different parts
- Flock Tracking to the finished food
- Multistage Inventory
- Costing of the Production.

Slaughter.Date	Batch No	Location Name	Breed	Total Qty(NOS)	Live Wt.(KG)
06-Mar-2023	B00013	Abattoir House	Amberlink	4,950	7,970

St.Dead Wt. (KG)	Ac.Cumm. Yield	Ac.Cumm. Variation	Dead Wt. (KG)	By- Product(KG)	Production(KG)
0	7,087	7.72	7,680	593	7,087

ADVANTAGES

- Identifying the most profitable parts and process
- Real time calculation of the yield of the plant
- Centralized inventory control as per packaging & lot
- Machine utilization.
- Shelf life management along with multilevel inventory management to the shop level.

Sale Amount	Sale In(KG)	Cost/KG	Expense	Running Cost	Batch Profit
1,500	10	116.46	0	894,404.5	-892,904.5

Feed Formulation and Production

CHALLENGES



- Machine wise planning for Load and capacity .
- Manual recording of Raw Material consumption and Finish goods Production.
- Islands of information as per the Feed production process.
- Dual record keeping .
- Data managed locally.
- Real time calculation of the key business drivers.
- Actual per kg of cost involve in feed manufacturing.

ADVANTAGES

- Real time calculation of the Feed production of the plant.
- Centralized inventory control as per packaging & lot.
- Shelf life management along with multilevel inventory management to the shop level.
- Machine utilization.

Parameter	Std. Value	Actual Value	Production Order no.	Status
PROD. EFFICI...	>85%	71.00	RPO/2021/000002638	Released
PALLET TEMP...	80C	80.00	RPO/2021/000002638	Released
PALLET	8	6.00	RPO/2021/000002638	Released
MOISTURE FP...	12	11.00	RPO/2021/000002638	Released
MOISTURE FP...	11	0.00	RPO/2021/000002638	Released
MILLING LOSS	<1%	0.00	RPO/2021/000002638	Released
MASH	10	0.00	RPO/2021/000002638	Released
KVA/TON		0.00	RPO/2021/000002638	Released
CRUMBLE	5	0.00	RPO/2021/000002638	Released
BOILER DIESE...	<4	0.00	RPO/2021/000002638	Released

<OK

Farm Dashboard Analysis

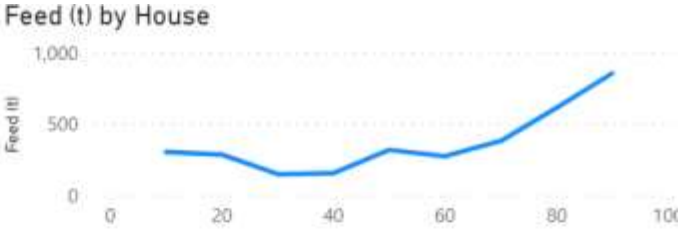


Farm Name

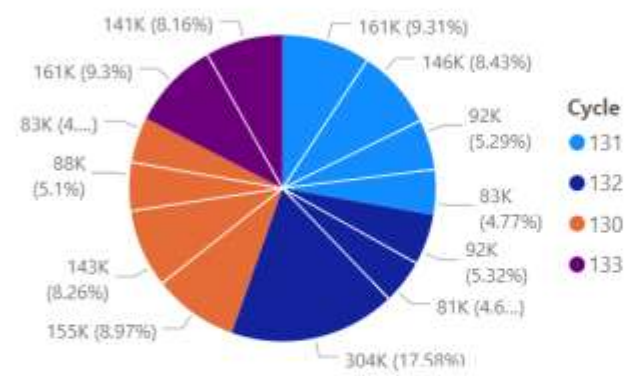
☐ Site A
☐ Site B
☐ Site C
☐ Site D

Cycle	Site A	Site B	Site C	Site D	Total
130	1.49	1.39	1.46	1.68	6.03
131	1.51	1.43	1.56	1.55	6.06
132	1.46	1.44	1.58	1.40	5.87
133	1.56	1.42			2.98
Total	6.02	5.68	4.60	4.63	20.93

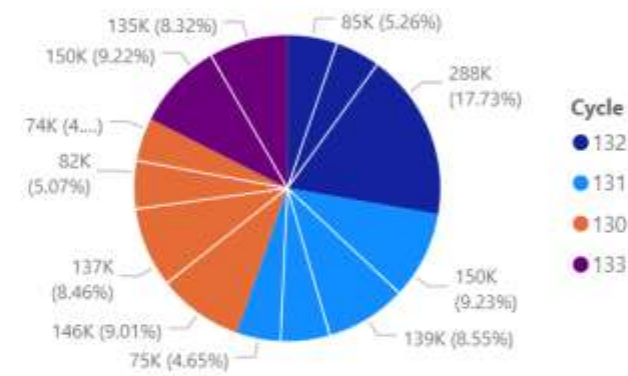
Cycle	Site A	Site B	Site C	Site D	Total
132	304.12	315.95	293.88	330.32	1,244.28
130	295.90	361.57	283.25	223.60	1,164.32
131	294.11	319.43	274.27	261.37	1,149.17
133	260.02	318.78			578.80
Total	1,154.15	1,315.73	851.40	815.29	4,136.57



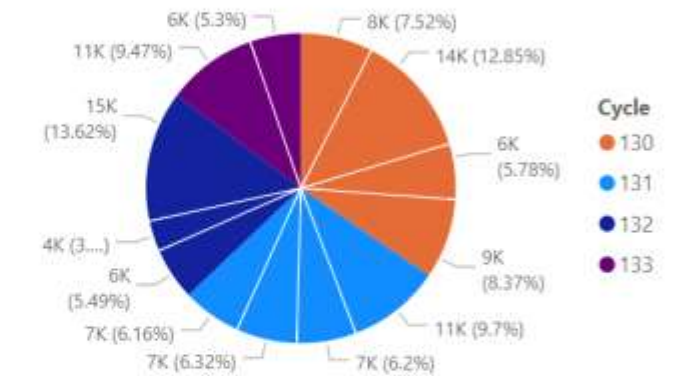
No Chicks by Cycle and House



Total No by Cycle and House



Mort by Cycle and House



House	130	131	132	133	Total
90		2.85	1.39		4.24
80		1.35	1.45	1.30	4.10
70		1.40	1.50		2.91
20	1.52				1.52
50		1.43			1.43
10		1.42			1.42
60		1.41			1.41
40	1.29				1.29
30	1.29				1.29
Total	5.52	5.60	5.80	2.69	19.62

House	130	131	132	133	Total
90			410,427.70	187,910.35	598,338.05
80		102,175.50	111,562.50	194,873.70	408,611.70
70		118,163.20	128,459.10		246,622.30
50	215,404.80				215,404.80
20	209,061.30				209,061.30
10	206,949.90				206,949.90
60		195,414.80			195,414.80
30	105,964.00				105,964.00
Total	617,879.40	631,158.30	650,449.30	382,784.05	2,282,271.05

☐ what is the average weight

①

487.23

Average of Weight



Management Dashboard Analysis



Weekly Production for Female in Grams

Origin	Female												
Week	Body weight (g)	% Unif	TE (Qty)	Prod. %	HE (Qty)	HE %	Feed / day (g)	Egg weight (g)	Mort.	Selection	Hatch	Fertility	Number remaining
Week 18	1578	89.00	0	0.00	0	0.00	56.00	0.00	24	0	0	0	0
Week 19	1598	88.00	0	0.00	0	0.00	60.00	0.00	29	0	0	0	0
Week 20	1658	82.00	0	0.00	0	0.00	66.00	0.00	20	0	0	0	0
Week 21	1716	74.00	0	0.00	0	0.00	72.00	0.00	18	0	0	0	0
Week 22	1857	84.00	0	0.00	0	0.00	78.00	0.00	20	0	0	0	0
Week 23	1947	80.00	0	0.00	0	0.00	83.00	0.00	22	0	0	0	0
Week 24	2061	83.00	0	0.00	0	0.00	85.00	0.00	6	3135	0	0	0
Week 25	2120	78.29	32	0.00	0	0.00	87.00	0.00	2	0	0	0	0
Week 26	2193	77.14	934	0.01	0	0.00	90.20	0.00	10	5	0	0	0
Week 27	2299	76.00	4070	0.06	0	0.00	97.20	47.30	14	0	0	0	0
Week 28	2399	74.86	9620	0.15	2298	0.24	102.40	49.30	14	0	0	0	0

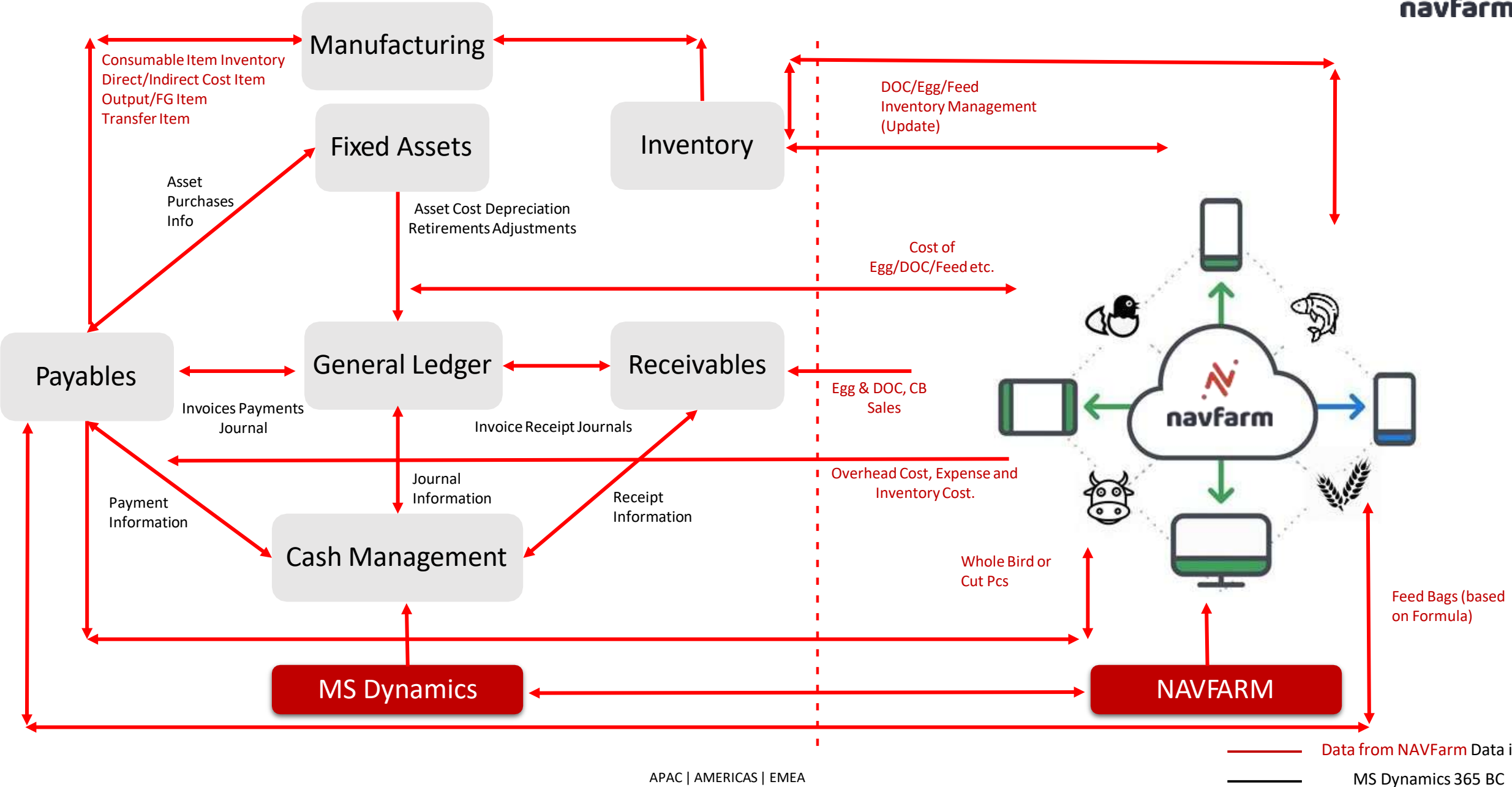
Production in Grams(Male)

Day	Week	% Unif	Body weight (g)	Mort.	Spiking	Feed / day (...)	Selection	Number remaining
1	Week 18	88.00	2283	32.00	0	68	0	1295
	Total	88.00	2283	32.00	0	68	0	1295
8	Week 19	71.00	2390	30.00	0	73	0	1252
	Total	71.00	2390	30.00	0	73	0	1252
15	Week 20	73.00	2468	36.00	0	79	0	1207
	Total	73.00	2468	36.00	0	79	0	1207
22	Week 21	71.00	2492	34.00	0	86	0	1051
	Total	71.00	2492	34.00	0	86	0	1051

Farm	Week	Day	▲ House	No Chicks	Mort	Culls	%	Cumm
Alpha	1	Sat	1	37,800	296	446	0.02	0.00
Alpha	2	Sat	1	75,600	644	0	0.02	0.06
Alpha	3	Sat	1	37,800	600	0	0.02	0.05
Alpha	5	Sat	1	37,800	666	0	0.02	0.07
Alpha	1	Tue	2	39,300	281	359	0.02	0.00
Alpha	2	Tue	2	39,300	296	0	0.01	0.02
Alpha	3	Tue	2	39,300	311	0	0.01	0.03
Alpha	4	Tue	2	39,300	430	0	0.01	0.04
Alpha	5	Tue	2	39,300	238	0	0.01	0.05
Alpha	1	Sat	3	39,000	251	29	0.01	0.00
Alpha	2	Sat	3	39,000	186	0	0.00	0.01
Alpha	3	Sat	3	39,000	211	0	0.01	0.02
Alpha	4	Sat	3	39,000	253	0	0.01	0.02
Alpha	5	Sat	3	39,000	397	0	0.01	0.03
Alpha	1	Tue	4	39,000	244	386	0.02	0.00
Alpha	2	Tue	4	39,000	358	0	0.01	0.03
Alpha	3	Tue	4	39,000	398	0	0.01	0.04
Alpha	4	Tue	4	39,000	616	0	0.02	0.05
Alpha	5	Tue	4	39,000	548	0	0.01	0.07



Universal ERP API Connector



Thank You



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