



**“A dairy/beef farm  
management  
software”**



Registered in New Zealand under name of “Terminus Technologies Limited.”  
#114, Barrington Drive, Huntington, Hamilton 3210, New Zealand

- Head office & Research in New Zealand
- Development & Support office in Pakistan
- Terminus Technologies has been established to provide end to end software-based solution for multiple industries and services like billing for telecom & utilities services, trading, dairy & agriculture, healthcare, education, etc.



# What is Avenz Software?



**Avenz “a live stock management software” that helps farmers to effectively and proactively manage their dairy farm operations. Reproduction and health of animals is a key element for a dairy farm and it requires proactive approach. Here Avenzoar works for farmer to ease following tasks,**

## **Animal Tagging**

*Animal identification is one of the key element in herd management. Identification can be based on Ear Tag, Birth Id, RFID, International ID or animal name.*

## **Reproduction**

*Failure to detect oestrus (heat) is a major factor contributing to low fertility which is a cause to financial losses. Avenzoar tracks all upcoming event for heat, mating, pregnancy test, calving, dry off and animal vaccinations.*

## **Expense & Inventory**

*With real time monitoring of farm inventories. A farm can proactively control expenses. Maintain records for the expenses on feed, minerals, vaccinations, etc. helps the farmer to control budget.*

## **Production & Revenues**

*Monitoring farm production & revenues along with expenses are key factors to make a farm profitable.*

<https://avenz.terminustech.com>



# Main Modules



- Herd Management
  - Identification
  - Reproduction
  - Lactation
  - Health
  - Milk Production

- Sires
- Inventory & Assets
- Farm Economics & Sales
- Feed Management



## Animal Detail

[← Back](#) [☰ Search Animals](#)

**Visual Tag: 100**

**Birth ID: LWXM-15-100**

[☰ Information](#) ▾

[♂♀ Reproduction](#)

[🕒 Lactation](#)

[🏠 Health](#) ▾

[↔ Transfer](#)

[🔄 Life Cycle](#)



# Animal Tagging & Information



- Flexible Animal Tag #
- RF ID / Birth ID
- Breed Composition
- Genetics information
- Pedigree Information
- Purchase & Sale Info

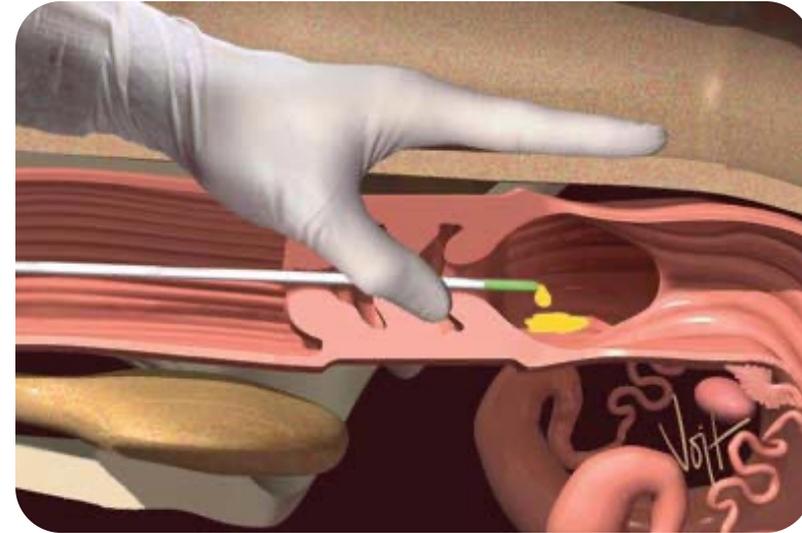
Visual Tag: 100		Birth ID: LWXM-15-100					
Information	Reproduction	Lactation	Health	Transfer	Life Cycle		
<b>Assigned Groups</b>							
<b>DOB(Age)</b>		21/07/2015 (78 M)		<b>Gender / State</b>		Female / Cow	
<b>RFID</b>				<b>Name</b>		100 / LWXM-15-100	
<b>Farm Code / Name</b>		TLS001 / DSL					
<b>Breed &amp; Pedigree Information</b>							
<b>Animal Type/Breed</b>		Cow --> Sahiwal		<b>Breed Composition</b>			
<b>Dam Identity / ID</b>		22 / LWXM-12-20 (VTAG) / 1432		<b>Dam Name</b>			
<b>Sire Code / ID</b>		514680 / 775		<b>Sire Name</b>		SLICK GRAZER	



# AI in Time is Important .....



- Approximately half of the heats are undetected on dairy farms in the United States.
- Failure to detect cows result in economic loss for the producer because of extended calving intervals and additional semen expense.



**If a herd producing 16000 pounds of milk per year and maintaining a 12.5 months calving interval is compared with the same herds maintaining a 13.5 months calving interval**

**Estimated potential milk loss is between \$ 35-45 per cow per year (depending upon milk price and feed costs)**



# Animal Reproduction



- Past & Due Mating
- Artificial & Natural Mating
- Pregnancy Test

- Past & Due Calving
- Single & Twins Calf
- Lactation

- Sire Detail
- Breeding Indicators

Visual Tag: 100		Birth ID: LWXM-15-100		International ID:		
Information	Reproduction	Lactation	Health	Transfer	Life Cycle	Refresh
DOB(Age)	21/07/2015 (78 M)	Gender / State	Female / Cow	Ownership		
Farm Code / Name	TLS001 / DSL			Farm Consultant		
<b>Mating Information</b>						
Current Mating Staus	[Yes]	PTest	[Pregnant]	Mating Date	04/12/2015	
Sire Code	514680	Sire Name	SLICK GRAZER	Semen Type	Conventional	
Mating Type	Artificial	Synchronization	No	AI Technician		
Services/Pregnancy	0.00	Preg. Concep. Rate	100.00%	Open Days	0.00	
Days To First Service	0.00	Calving Interval	0.00	Milking Days	2238 Days	
<b>Breeding Plan</b>						

[Add Heat Cycle](#)
[Add Mating](#)
[Add Calving](#)

#	Date	Type	Detail
1	04/12/2015	Normal Calving	#0, Calf: Female,, Mating Date: 04/12/2015
2	04/12/2015	Artificial Mating	S/C: 1/0, Sexed, Sire: 514680 - SLICK GRAZER , Pregnant (04/12/2015)



- Treatments & Vaccinations
- Weight & Body Condition Score
- Dr. Advice
- Medicines/Drugs information



<b>Visual Tag: 430</b>		<b>Birth ID: BDPH-13-213</b>		<b>International ID: NZLBDPH20130213</b>			
Information	Reproduction	Lactation	Health	Genetic Tests	Transfer	Life Cycle	Refresh
DOB(Age)	27/08/2013 (101 M)	Gender / State	Female / Cow	Ownership	TRG		
Farm Code / Name	TRG-0033 / COCHRANE ROAD			Farm Consultant	Pete Hapeta		

## Health Records +

[Treatment Schedule](#)

#	Date	Treatments	Drugs	Mk/Mt	
1	21/07/2021	Leptospirosis	Rotovac		 
2	24/05/2021	Dry Cow therapy (DCT)	Cefamaster Dry Cow		 
3	24/05/2020	Teat Seal (TS)	Bio block Teat Seal		 
4	16/05/2019	Teat Seal (TS)	Bio block Teat Seal		 

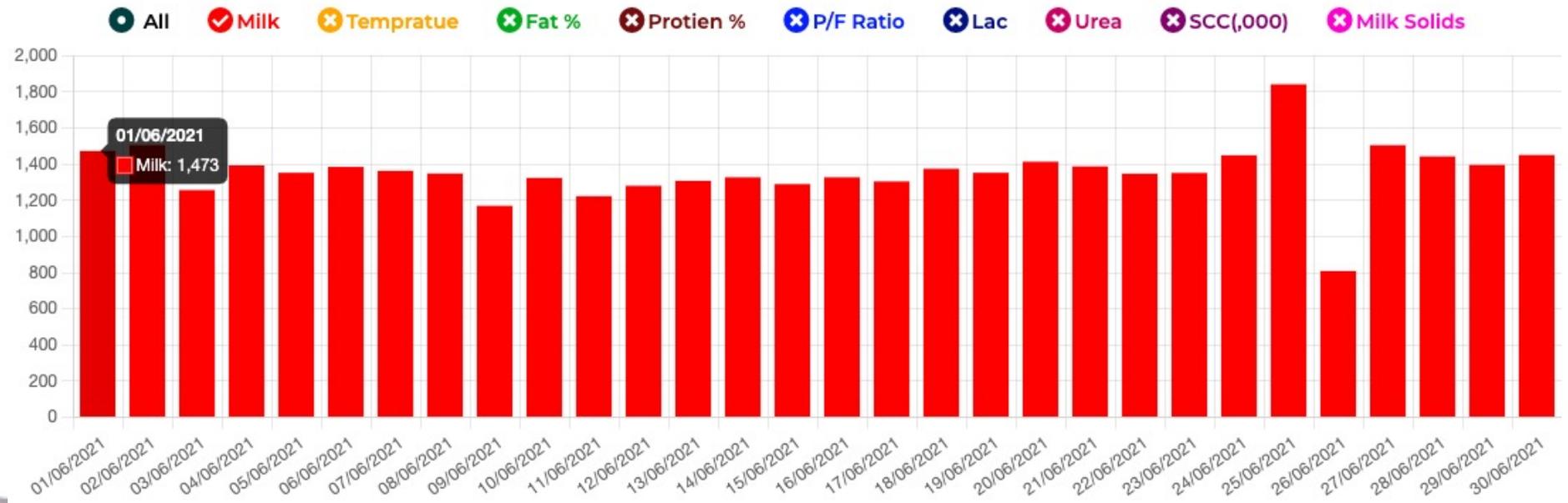
# Milk Production



- Farm & Animal Level Production
- Average Production Per Animal
- Daily, Monthly and Yearly Reports & Graphs



Production Graph



# Stock Inventory



- Stock Availability
- Stock Purchase History
- Stock Expenditure
- Consumption Daily, Monthly and Yearly
- Reports



#	Name	Quantity	Unit	Type	Avg BRate	Calc BRate	Wastage
1	Green Fooder	2,780.00	Mounds		0.00		0.00 %
2	Medication	0.00	Number		0.00		0.00 %
3	Milk	23.00	Liter		0.00	Yes	0.00 %
4	Silage	150.00	Mounds		0.00		0.00 %
5	Wheat Straw	150.00	Mounds		0.00		0.00 %



# Sales



- Account Registration
- Milk Rate & Discount
- Current Outstanding Balance
- Milk and Other Product Sale
- Account Wise Sale
- Daily, Monthly and Yearly Report



#	Account No./Name	Qty	Net Amnt	Carriage	Discount	Tax	Gross Amnt
1	451 / Angus Cafe	10.00	45.00	0.00	0.00	0.00	45.00
2	452 / Countdown	30.00	105.00	0.00	0.00	0.00	105.00
3	453 / Pk N Sav	30.00	105.00	0.00	0.00	0.00	105.00
4	454 / Berklay School	10.00	45.00	0.00	0.00	0.00	45.00
	Total	80.00	300.00	0.00	0.00	0.00	300.00

# Collection



- Collection by Cash, Check, Credit Card and Wire Transfer
- Collection Against Products
- Realization & Return of Check Payments
- Adjustment by Credit/Debit Note
- Daily, Monthly and Yearly Sales and Collection Reports



Account / No	Discount	Tax	Gross Amount
1 Angus Cafe / 451	0.00	0.00	40.00
2 Countdown / 452	0.00	0.00	105.00
3 Pk N Sav / 453	0.00	0.00	105.00
Total Collection	0.00	0.00	250.00



# Assets



- Tagging for Assets like Tractor, Trolley, Land, Milking Machine etc.
- Purchase Date & Price Information
- Asset Current Value
- Asset Categorization like Machinery, Land, Building etc.



#	Code	Description	Price	Type	Date
1	<b>Milking-Machine</b>	Milking-Machine	30,000.00	Machinery » Farm Equipment	11/01/2022
2	<b>Sowing-01</b>	Sowing-01	15,000.00	Machinery » Agricultural Machinery	11/01/2022
3	<b>Tractor-01</b>	Tractor	100,000.00	Machinery » Agricultural Machinery	11/01/2010
4	<b>Tractor-02</b>	Tractor-02 - E 240	120,000.00	Machinery » Agricultural Machinery	11/01/2011



## Around 40 Plus Reports

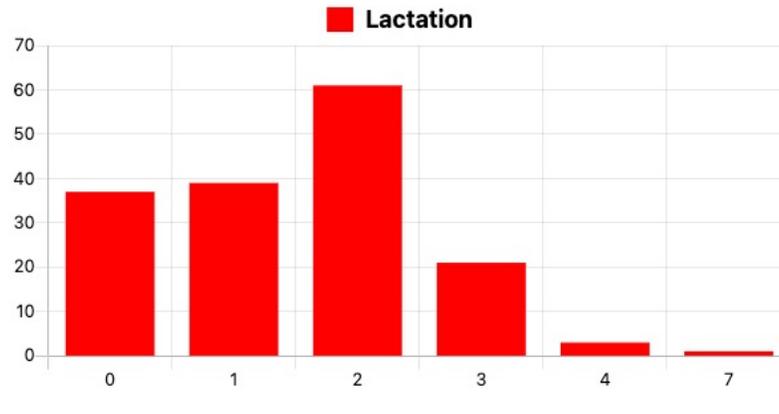
Registered Animals	162	
Milking Animals	123	75.46
Dry Animals	2	1.23
Mated Animals	124	76.07
Empty Animals	1	0.61
Female Calves	0	0.00
Rising R1	18	11.04
Heifer R2	0	0.00
Heifers R3	0	0.00
Heifers R4	0	0.00
Bulls	0	0.00
Male Calves	19	11.66
<hr/>		
Un-Registered Calves	1	

Breeding Indicators		
Indicator	Achieved	Target
Heat Detection Rate	0.00%	>70%
Pregnancy / Conception	19.14%	>50%
Services Per Pregnancy	5.22	1.6
Open Days	167.46	85 days
Non Return Rate	14.29%	>75%
Days To First Service	113.38	65 days
Calving Rate	52.59%	

■ Due date is passed  
 ■ Due date within next 10 days  
 ■ Due date is within next 30 days

Livestock Alerts			
Due Dry Off			
Animal that are due for Dry Off in next 30 days (16 Animals)			
9	15	17	40
52	67	77	80
81	160	228	298
630	4250	5256	9011

Registered Animals			
#	Lactation	Animals	%
1	Lactation : 0	37	22.84
2	Lactation : 1	39	24.07
3	Lactation : 2	61	37.65
4	Lactation : 3	21	12.96
5	Lactation : 4	3	1.85
6	Lactation : 7	1	0.62
<b>Total</b>		<b>162</b>	



Due Calvings			
No Calving is due in next 30 days			
No Calving happened in last 30 days			
Due Mating			
Animal that have due mating in next 30 days (1 Animals)			
155			
Due Pregnancy Test			
Animal that are due for Pregnancy Test in next 30 days (83 Animals)			
1	2	3	4



## Around 40 Plus Reports

Herd Reports	Reproduction	Lactation
1.1 - Search Animals		
1.2 - Animal Reports		
1.3 - Aggregated Reports		
1.4 - <b>Animal Statistics</b>		
1.5 - Animal Statistics Graph		
1.6 - Movement Report		
1.7 - Ownership Report		
<b>Culled Animals</b>		
1.8 - Culled Animals		
1.9 - Archived Animals		
<b>Tag Reports</b>		
1.10 - Tags Availability		
1.11 - RFIDs Report		

Herd Reports	Reproduction	Lactation
2.1 - Expected Calvings		
2.2 - Empty Cows		
2.3 - Mating Statistics		
2.4 - Past Matings		
2.5 - Past Calving		
2.6 - Animal Calves		
<b>Sire Reports</b>		
2.7 - Sires List		
2.8 - Bulls and Sires List		
2.9 - Bulls Priority		
<b>Performance Reports</b>		
2.10 - Bull Performance		
2.11 - Principle Performance		
2.12 - Technician Performance		
2.13 - Vendor Performance		

Herd Reports	Reproduction	Lactation
3.1 - Non-Milking Herd		
3.2 - Milking Herd		
3.3 - Lactation Report		

### Health Reports

Herd Reports	Reproduction	Lactation
4.1 - Health Records		
4.2 - Weight Records		
4.3 - Aggregated Reports		

### Alerts & Indicators

Herd Reports	Reproduction	Lactation
5.1 - Live		
5.2 - Herd Info & KPI's		
5.3 - KPIs Report		



# Key Benefits



- Optimize reproduction indicators by monitoring data and taking proactive actions like heat detection, mating in time,
- Rate your animals based on traits, productions, etc.
- Control expenses and cash flows.
- Manage your inventory for milk, feed, medicines, straws, etc.
- Improve your sales process through system



- No Initial investment over hardware and its maintenance
- Only need a tab/laptop and internet connection to access portal
- System is accessible without any geographical limits
- System is accessible over Laptop, mobile etc.



# Our Other Products



## EUCLID

Telecom Billing & CRM Solution



## farm|builder

A National Farm and Herd Improvement system



## AVENZ

Dairy farm management software



## RHAZES

Export livestock with traceability



## BATTANI

Supply Chain management system



## HAZEN

An online job register



## AVICENNA

Health Care system



## ANAXIM

Human Resource & Payroll System



## THABIT

Student information system



Our solutions are available in perpetual and subscription models.



# Thank You

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