# FINE-TUNE FLOCK MANAGEMENT

Mobile flock management of intensive sheep farm





Total productivity of ewe was increased 3X with Precision Mobile Flock Manager by reducing lamb mortality, increasing reproductive performance of ewes and saving from feed sources



#### LAMB MORTALITY DROPPED TO 5%, ACCELERATED LAMBING PERFORMANCE INCREASED 20%, BARREN EWES RATIO IS ONLY 3% SMART SHEEP MANAGER

Productivity of livestock production fluctuates due to lack of proper data recording systems.

Measuring outputs of the farm operations is not done properly, hence there is very limited analysis and almost no optimization.

The larger the flock becomes the harder it gets to optimize the operations, labor and feed ration.

This innovation combines cloud, IoT technologies and farming practices, and explores technological opportunities to improve production efficiency in intensive sheep farming for lamb production.



Drafting-Sorting

# **Precision Mobile Flock Management**

- Mobile Sheep Manager Software (M-SMS) tool developed for intensive sheep breeding for meat production for;
- 1. Improving the efficiency of production
- 2. Increasing animal welfare
- 3.Reducing labor



Mobile Sheep Manager Software users can easily i) use "point and click" solution to keep legislative records,

ii) attain operational guidance

iii) build flock performance data

iv) get supports for purchase, cull or breed decisions based on targets of flock performance.

The system detects alerts occurring in the farm and suggest for troubleshooting.

M-SMS integrated with Cloud Services compounded with Predictive Analytics Services for helping fine-tune flock management and improve operational excellence.









Case study farm: Er-Gen, intensive sheep breeding (Meat) Duration: 2 years Breeds: Prolific Anarom-Dam line Terminal sires



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#### FINE TUNE YOUR FLOCK TO GET BELLOWS



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Reproductive success is increased 20% in 3 lambings 2 years

Barren ewes ratio is reduced from 10% to 3%

Feed cost is reduced 23%



The most effective and efficient flock managers use systems that help put together all the pieces needed to run a profitable sheep operation.

Managing feeding and sanitary programs that help control feed costs and animal health; combined handling system that help reduce labour; sensors integrated precise housing and data management that help reduce lamb death losses; and long-term plans that help maintain profitability through the ups and downs of markets and weather.





Scoring ewes for production traits.

Culling alert for underperforming ewes.

Sorting terminal lambs for wieghts and ages.

Daily tasks

#### DASHBOARD

## Mobile flock management of intensive sheep farm

## INNOVATION TO ENHANCE FARM SUSTAINABILITY

Modern, intensive farms make the farmer totally responsible for all livestock under his control.



Monitoring of feeding, environment, reproduction, health, growth, marketing, transport and quality becomes the responsibility of the stockman.

Meat producing animal are required to be raised in a way of more efficiently for production and less impact for the environment.



# M-SMS Technology



Provides labour savings and facilitate the collection of more accurate biometric data.



Reduces the stress on the animals by minimizing animal movement and confinement in yards.



Facilitates increased frequency of livestock monitoring

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improve animal welfare through earlier detection of risk situations.

MOBILE FLOCK MANAGER PROVIDES; COMFORT FOR EMPLOYEES PRECISE DATA RECORDING WELFARE FOR ANIMAL SAVING FROM FEED COST TIME SAVING



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