

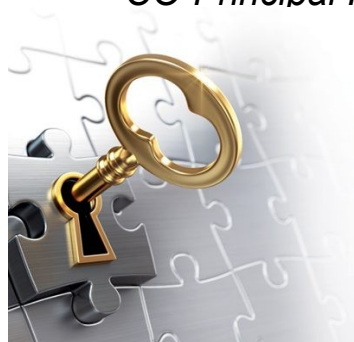
## Conference Slides

# Cutting-Edge Solutions for Onboarding Herders, Farmers and the Unemployed in L-PRES Livestock Productivity and Resilience Project

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**UNLOCKING  
POTENTIAL**

# THE PROBLEM

Climate change, insecurity and adherence or observation of archaic livestock management practices has limited livestock productivity in Nigeria, which ought to be exporting beef, and dairy products worldwide due to our landmass.

# SOLUTION 1: ONBOARDING SOFTWARE

LIVESTOCK MANAGEMENT SYSTEM: Several national livestock management projects failed to resolve their stated goals and objectives because they neglected the simple but critical process of onboarding expert users at inception. Our solution resolved this abnormality by providing an onboard cloud based solution that enable L-PRESS to onboard herd owners and their herders.



## MESSAGES

Send and Receive Messages



## REGISTER HERD OWNERS

Register or Update Info of Herd Owners



## REGISTER TRACKERS

Manage Trackers



## HERD MANAGEMENT

Playback, Livetracking and Device Status



## CHANGE PASSWORD

Change Login Password



## SIGN OUT

Logout

# BENEFITS OF ONBOARDING - DATA

Onboarded members will provide critical data which when presented to funding partners will motivate them to provide further funds to the L-PRESS project. Some of the data available through onboarded members are:

- Birth rate
- Mortality rate
- Shrinkage rate (due to thefts and gifts)
- Commerce Outflow rate
- Commerce Inflow rate
- Dairy production rate
- Average distance travelled daily
- Average speed while travelling
- Daily water intake
- Daily fodder intake
- Medical intervention

# OUR DATA CAPTURING SOLUTIONS

**Livestock Management System:** Our multi-lingual cloud based software can be access from any device: Onboarded partners can either sign into the software and use it to record their livestock interactions, or phone in their data or narrate their weekly experience to a field specialist who will collate and upload the data into the software.

**Geofencing Software:** Our geofencing software provides the following benefits:

- Prevent herders from taking livestock outside a predefined invisible digital fence
- Prevent encroachment into restricted areas
- Allow mapping of grazing geo-coordinates
- Allow mapping of watering geo-coordinates
- Allow authorities to recover rustled livestock

# OUR DATA CAPTURING SOLUTIONS – contd.

**Trackers:** Our multi-sensor trackers are small enough to conceal on livestock. These trackers are tightly integrated with our geofencing software. The following data are available via trackers + geofenced coordinates:

- Average distance travelled daily
- Average speed while travelling
- Daily water intake
- Daily fodder intake
- Current location

# LIVE DEMONSTRATION

SMS Session!

**Link to Federal Polytechnic, Bauchi Demo**

[\*The Federal Polytechnic, Bauchi\*](#)

**Link to Command Day Secondary School, Bauchi Demo**

[\*Command Day Secondary School, Bauchi\*](#)

Livestock Approaching Water Source:

[\*River Dindima or Gongola\*](#)

# CONCLUSION AND QUESTIONS

Our systems are ready for deployment. We are ready to partner with L-PRESS not only as providers of cutting-edge solutions, but as partners that will enable L-PRESS to achieve her objectives and attract further grants.

Unemployed youths can be trained on the act of geofencing our rivers, streams, grazing areas and restricted areas.

In conclusion, we are ready to deploy!