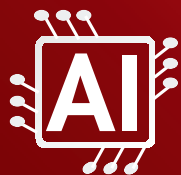# SMART POULTRY FARMING with
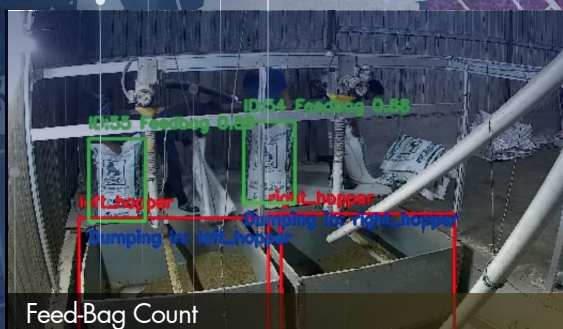
MACHINE VISION MONITORING SYSTEM

AI

PG

The AI monitoring process operates 24/7, continuously observing, analysing, and providing real-time feedback. It serves as a proactive tool to enhance efficiency in daily operations and to address non-compliances and potential threats. Instantaneous alerts and status updates on farm activities provide the farm manager with capabilities that surpass those of traditional monitoring systems. Our system processes video streams in real time, enhancing situational awareness. By maintaining a comprehensive view of farm conditions and worker activities, management can respond to situations quickly and effectively.

AI MOTION DETECTION

Feed-Bag Count

Operational Activities Checking

ID:823 Feed-Truck Process
Activities Monitoring

ID:263 Bio-Security
Bio-Security Compliance

IOT Infrastructure

DETECTION

AI ALGORITHM

AI

DASHBOARD REPORT

DASHBOARD - Live view, incident playback, and multi-camera display

SMART ALERTS - Notifications for non-compliances, bio-security threats, offline cameras etc.

REAL TIME NOTIFICATION

BENEFITS

✓ **Enhanced Compliance**
- Ensures strict adherence to farm standard operating procedures (SOPs).
- Helps meet regulatory requirements and align with good farming practices.

✓ **Improved Operational Consistency**
- 24/7 monitoring, real-time analysis, and feedback enhance overall operational efficiency and consistency.

✓ **Dashboard Reporting**
- All data is recorded and displayed on a local dashboard, enabling users to monitor, analyze, and manage all farm activities effectively.