

Blockchain Technologies based Farm Management System

APPLICATION

End-To-End traceability of Livestock Product, Secure, simple & trusted way to share Livestock records among parties/participants, Breed records for productive litter size, Feed records for proper calculation of Feed Conversion Ratio, Vaccination records for disease control, Biosensor to monitor health and behavior, Training and Vet support to promote entrepreneurship, Better monitoring of implementation of public policies (Livestock Insurance) by the Government.

COMPANY

Jal Jaivik Pvt Ltd

FOUNDER'S NAME

Papan Das

TECHNOLOGY READINESS LEVEL (TRL)

TRL: 5 (IoT & Block chain implementation in progress)

INTELLECTUAL PROPERTY

IP filing process under progress

PROBLEM ADDRESSED

Pork industry is worth \$399 Bn & is expected to reach \$ 464 Bn by 2027 globally. India could only contribute less than one percent of total consumption. Moreover India has been importing pork to meet internal demand. Due to a weak farm management system, weak supply chain, unorganised market facilities, lack of traceability of the animal & meat product, lack of training & vet support to the farmers and social stigma, the piggery sector is facing severe problems.

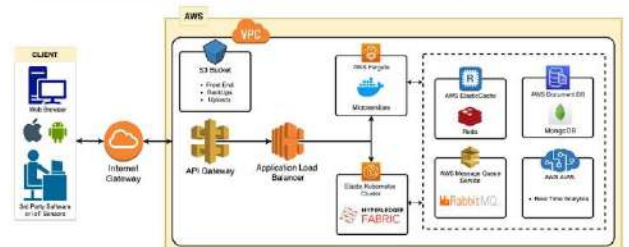
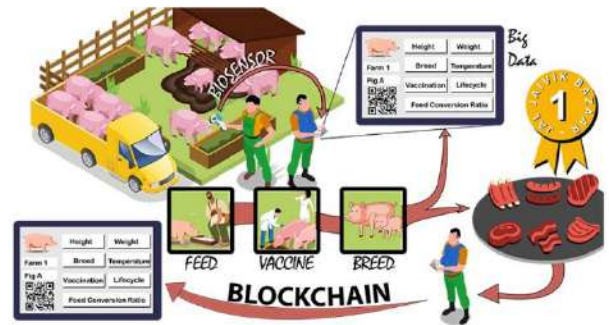
ABOUT THE TECHNOLOGY

Our purpose is to transform traditional animal farming into 'state of the art' digitising animal agriculture with Precision Livestock Farming (PLF) technologies, specifically biometric sensors, big data, and blockchain technology. Biometric sensors include either noninvasive or invasive sensors that monitor an individual animal's health and behaviour in real time, allowing farmers to integrate this data for population-level analyses. Real-time information from biometric sensors is processed and integrated using big data analytics systems that rely on statistical algorithms to sort through large, complex data sets to provide farmers with relevant trending patterns and decision-making tools. Sensors enabled blockchain technology affords secure and guaranteed traceability of animal products from farm to table, a key advantage in monitoring disease outbreaks and preventing related economic losses and food-related health pandemics.

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PROCESS FLOW



USP

- Monetarily Benefits to Livestock Farmers.
- Improved Efficiency.
- Mental Peace.
- Social Benefit.

END USERS/CUSTOMERS

Animal husbandry Industry in India, particularly the Piggery Sector: Pig Farmers, Traders, Shop Owners