

A wide-angle photograph of a gravel path leading through a vineyard. The path is made of light-colored gravel and stretches from the foreground into the distance, flanked by rows of grapevines. The sky is dark and filled with heavy, grey clouds, suggesting an overcast or stormy day. The overall mood is somber and atmospheric.

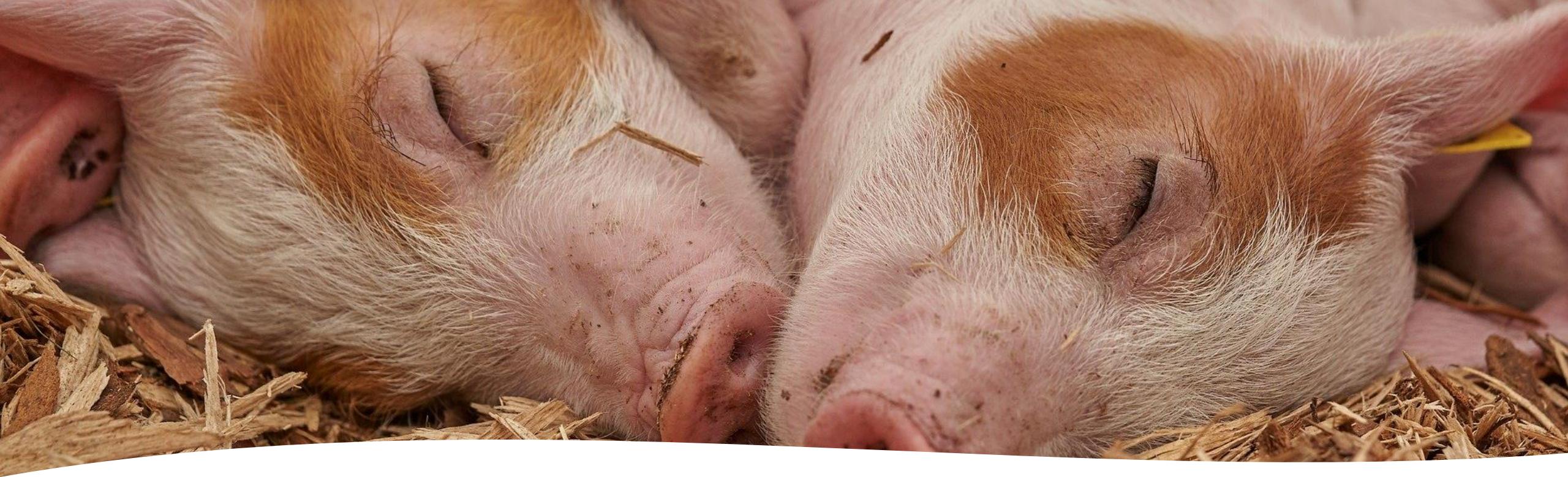
Poultry Welfare

Scalable welfare monitoring system

PILOT PROPOSAL

- **Pilot goals**
 - Sharing proven facts about poultry welfare to consumer
 - Streamline farm diary input
- **Pilot implementation**
 - Automated animal welfare monitoring
 - Digital farm diary





AUTOMATED ANIMAL WELFARE MONITORING

- One selected pilot farm
- **Monitoring and analysis of animal welfare**
- Smart camera monitors activities, behavior, herd density and sounds
- Ingestion of external data for amount of light, litter, congestion, temperature, humidity, CO2...
- Animal welfare concept based on WQ metrics
- **Consumer interface**
- Real-time information about animal welfare
- Video feed

TECHNOLOGY



TECHNOLOGY

- Smart camera
 - Edge AI powered camera to analyse animal behavior at the farm
 - Inference results aggregated to Welfare Quality metrics
 - Collection of existing device and sensor data to build a holistic view of farm
- Digital Farm Diary
 - Digitalisation of paper trail, enabling data sharing and reducing manual work
- Blockchain (Trustor)
 - Secure transport of data
 - Data governance and processes
 - Transparency between stakeholders

TECHNICAL SOLUTION

