



# Cow Vision: Image driven monitoring solutions for dairy cows

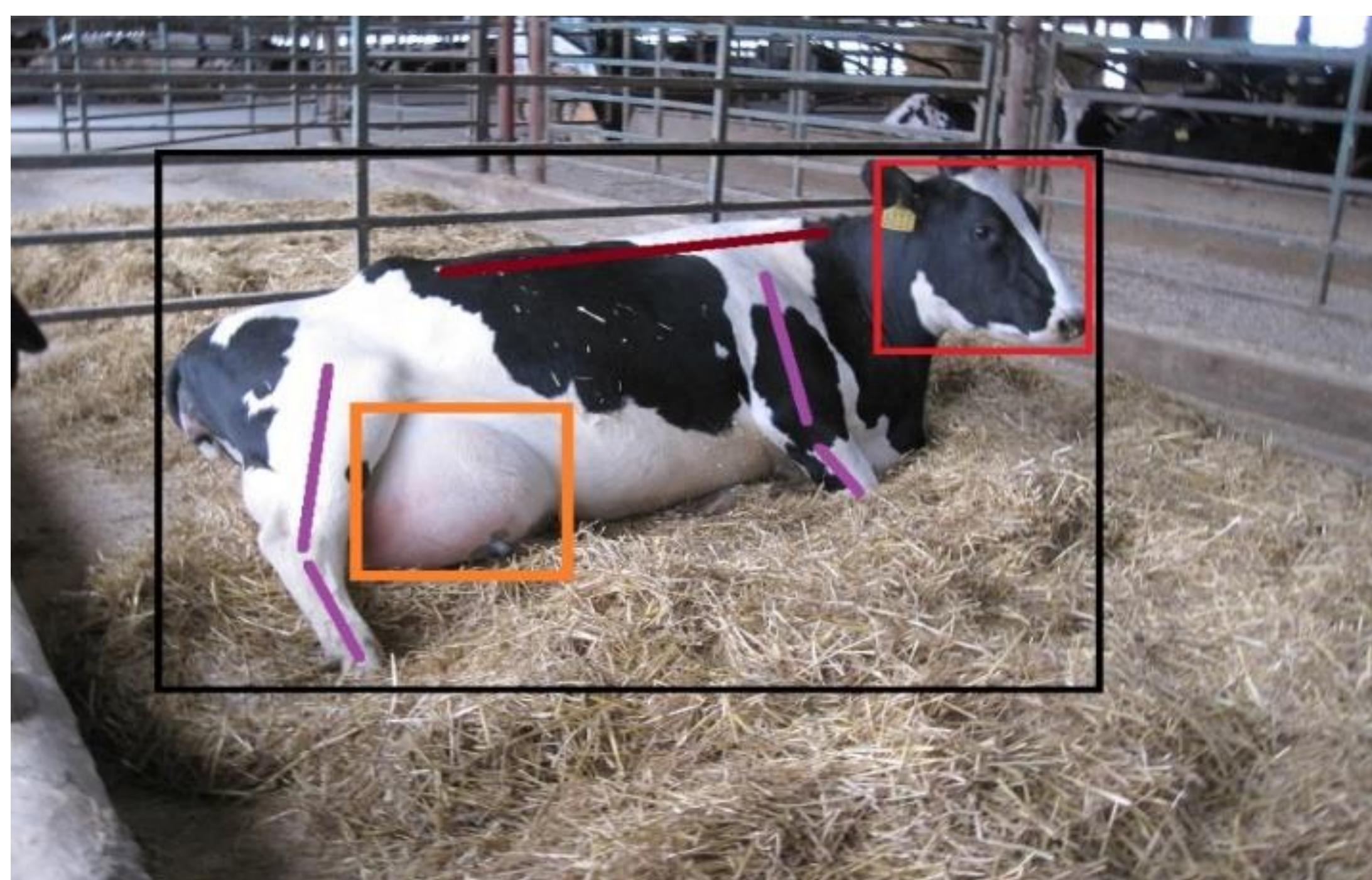
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- **Background**

- Developments in image quality and processing now allow Computer Vision techniques to be used in agriculture
- Image analysis can be used to automatically monitor the behaviour/state of groups or individuals in real-time
- Non-invasive approach to track activity, complex behaviours, body parts, state of an animal

- **Current projects include:**

1. Prediction of parturition
2. Monitoring cow fitness – body condition and locomotion



- **Outcomes**

- Improved awareness and knowledge of cow welfare and for its calf, and a reduced need for intervention
- Improved management and labour utilisation with technology
- Automated and continuous monitoring of individual animals in real-time
- Software applicable to use on commercial farms as a management tool and with current CCTV systems