

AI4Animals in a nutshell

Reinventing camera surveillance with AI for better animal welfare.

What is AI4Animals?

AI4A consists of AI models and a dashboard that significantly improves the effectiveness of camera surveillance by automatically detecting **animal handling issues**.



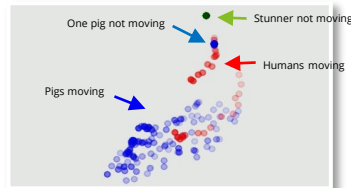
What is the challenge?

- Most slaughterhouses have implemented **camera monitoring systems**
- Everyday, this results in **hundreds of hours of video recordings**
- Slaughterhouse personnel tend to review a **random and small selection** of recordings
- As a result, the majority of video recordings **remains unseen**
- Current camera systems are **not able to identify** trends and structural issues
- AI based camera surveillance contributes **to solving these challenges**

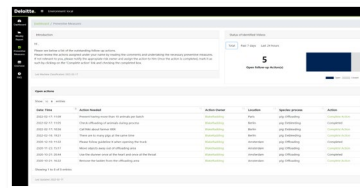
How does AI4Animals work?



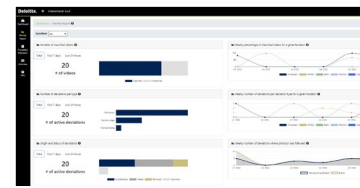
- 1** AI solution – continuous detections
- The AI4A algorithm detects animals, people, and objects and how they interact with each other.



- 2** AI solution – movement heatmaps
- Images are translated into movement heatmaps to detect potential handling issues.



- 3** Dashboard - deviations list review
- AI4A selects and aggregates all video recordings containing potential deviations to be reviewed.



- 4** Dashboard – intuitive trend reports
- AI4A includes trend reports, outlining deviations over time and per slaughterhouse for easy follow up.

Deloitte



Our Mission

We strive to reduce avoidable and unnecessary animal suffering through the use of innovative technology and its effective adoption, in close collaboration with committed organizations and people.

AI4Animals was jointly developed with animal welfare organizations **De Dierenbescherming** and **Eyes On Animals**, and meat producer **Vion**, resulting in our innovative camera surveillance system.

Let's improve animal welfare, **together**.

Get in touch to explore opportunities.



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