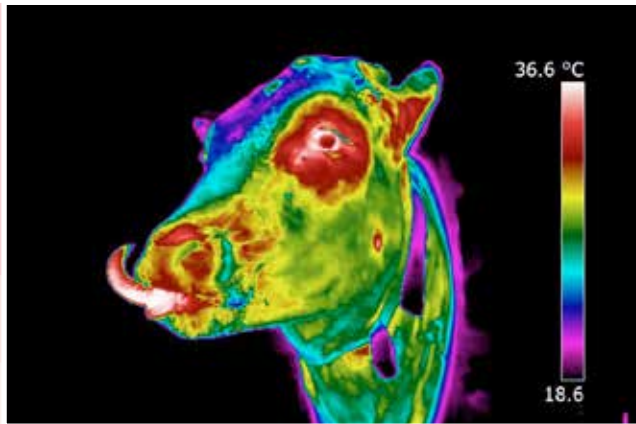


Agri-EPI Structure, Facilities and Equipment

The expertise and facilities of Agri-EPI are contained within three main groupings, which will collaborate closely to deliver success:

- Innovation Hubs – Investment within three leading academic institutions, Cranfield University, Harper Adams University and SRUC, as well as the leading Dairy consultancy company Kingshay will deliver:
 - One-stop access to cutting-edge research
 - New facilities for R&D, demonstration and training
 - 'Think Tanks' to coordinate the R&D agenda
 - Partnering researchers, industry and funding
 - Developing business incubation facilities at a range of scales
- 70 Company partners – Support and co-investment will ensure the Centre delivers industry relevant research and solutions.
- Network of Technology Platforms – Agri-EPI will deploy technology on a network of working farms and processing sites, to test technology, and capture data that helps better understand and solve industry problems.



More information and how to get involved

Agri-EPI is very open to new collaborations with commercial organisations and researchers from across the agri-food industry, as well as tech providers with any technology that could potentially be applied to benefit the agri-food sector.

We have a flexible approach to collaboration ranging from research partnerships to contract research, or hiring of our facilities and our equipment. And we can work on a number of different levels, from one-one collaborations, to large, multi-partner projects encompassing the whole supply chain.

Please do contact us or visit our website if you would like to find out how you can benefit from Agri-EPI's facilities and network, or partner with us on projects.

Website: <https://www.agri-epicentre.com>

General enquiries: enquiries@agri-epicentre.com



We work with
Innovate UK

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Who are we?

The new Agricultural Engineering Precision Innovation (Agri-EPI) Centre has been established with £17.7m UK government investment to help provide engineering and precision agriculture solutions for the Agri-Food industry.

By bringing together leading organisations in all sections of the supply chain it will become a world-leading centre for excellence in engineering and precision agriculture to benefit the livestock, arable, aquaculture and horticulture sectors.

The core partners in the Centre are Scotland's Rural College (SRUC), Harper Adams University, Cranfield University, Harbro Ltd, Ag Space Agriculture Ltd, Kingshay Farming.

A further 70 companies are supporting the Centre, including large supermarkets, food producers, farmers, processors and engineering and technology businesses.

Why is Precision Agriculture and Engineering important?

- The agriculture and engineering sectors must respond to the challenge of feeding a rapidly growing population sustainably.

- Research and development is vital to addressing this global challenge and agricultural technology (agri-tech) also plays a vital role.
- This sector is worth £1 billion to the UK economy.
- The global market for Precision Agriculture is also a multi-billion pound market, and growing rapidly: Agri-EPI has the ambition to ensure the UK is a leading player in supplying technology to satisfy this market.

Industry Challenges

Agri-EPI aims to help farmers and growers boost productivity through:

- Understanding variation in performance in crop and livestock production systems.
- Optimising input use, e.g. fertilisers or animal feed, to boost profitability and provide environmental benefits.
- Improving product quality, by providing technology to understand key production characteristics, e.g. when fruit is ready to be harvested.
- Combatting pest and disease challenges e.g. new technology to detect crop pests, or predict livestock disease challenges.

- Next generation crop production methods, such as the development of 'sensor-smart' crops and instrument-guided crop modelling.

Technology Solutions

Agri-EPI will focus on research and development related to a broad range of engineering and precision agriculture technologies, including:

- Robotics and autonomous systems to help reduce labour requirements e.g. robotic milking, or automated vehicles.
- Satellites or Unmanned Aerial Vehicles (UAVs or drones) to remotely monitor crops.
- New instrumentation to monitor both operations and in-field performance of cropping and grassland systems.
- Sensing and imaging technologies to monitor crop and livestock production in areas such as product quality and health.
- The 'Internet of Things'; using networks of sensors connected via the internet to help farmers remotely monitor and manage their farms.