AGXIO

Agxio is an AI and data science company specialising within the life sciences and agritech sectors.

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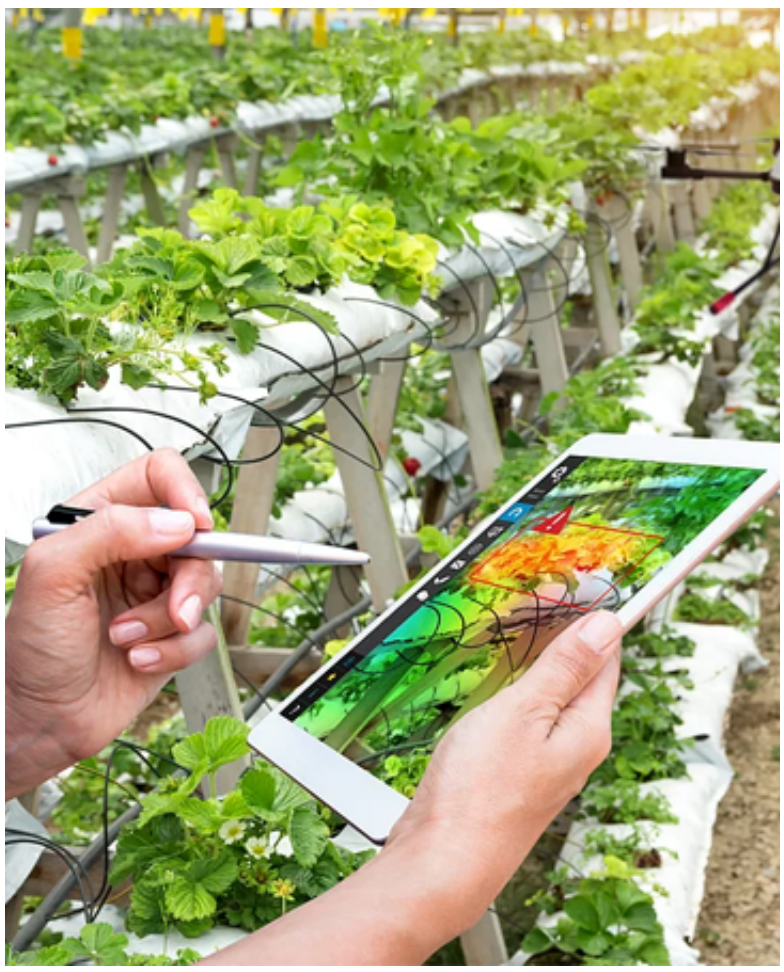
AI has many applications in agriculture, from analysing crop data to improving milk yield. The ability to aid decision-making based on market factors alongside minimising risks and additional production costs have seen AI agricultural systems become a growing market in the last decade. Agxio is on the forefront of developing computerised decision making in agriculture, hoping to make 'big data' another tool for farmers to make better decisions in the industry.



OBJECTIVES

Agxio provides software solutions utilising AI and machine learning; primarily collecting data from organisations and analysing it to help solve industry challenges via reporting formats, graphing and image analysis. This provides real evidence-based solutions with which can be applied to challenges on farms or in the field, helping farmers to make informed decisions.

"Aberystwyth University and companies in the AberInnovation ecosysystem have helped immensely with technical knowledge. Being a part of the community has helped us to establish valuable connections. "

INSIGHT

Using less labour-intensive methods in programming such as a 'low-code stack' has benefited Agxio's productivity; this enables Agxio to produce data platforms for organisations in weeks and months rather than years. The way in which Agxio works means that all their products are extremely adaptable and flexible to the end user's needs. It also allows one product to be quickly applied to multiple scenarios.

CHALLENGES

- Developing AI platforms which evaluate data with patterns that human modellers may not consider
- Market analysis to determine demand in industry applications
- Research into new areas of practical application and development
- Further development of platforms that can be adapted and built upon for end user needs

SOLUTIONS

- Using sensor analytics and applied machine learning to intelligently monitor key factors influencing plant growth.
- Developing cutting edge drone technology and integrated machine learning to aid producers' decision-making in precision agriculture.
- AI platform operates beyond human-scale performance, evaluating critical data to produce predictive models that solve real world problems quickly and efficiently.

TESTIMONIAL

"Agxio have felt very welcomed and included within the AberInnovation community, and it has helped to boost our industry connections. It has even allowed us to expand our current research abilities.

Working with Aberystwyth University academics has enabled us to further develop our platform and realise new concepts in the application. We're now expanding our research in the lab spaces at AberInnovation - our next focus is microbiome and analytic sequencing".

- Chloe Hazell,
  Bioscientist

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