



AWS for AgriFood-Tech Startups

Global Customers Innovating with AWS



Explore Areas of Transformation Across the Agriculture Value Chain

Connected Farm

Accelerate time to market for new edge devices and innovative Machine Learning such as sensors, drones or cameras.

- Widest range of IoT services
- Deepest portfolio of AI/ML services
- Amazon's robotics, automation and logistics expertise
- Learn more: <https://aws.amazon.com/blogs/industries/creating-the-connected-farm-using-sensor-and-vision-data/>

Agriculture Data Lake Hydration

Populate data lakes with historical data to accelerate time to innovation in AI/ML

- Public data sets available for ease of integration on AWS Registry of Open Data
- Paid data sets available for subscription via Amazon Data Exchange
- Amazon's expertise in Earth Observation and geospatial
- Learn more: <https://aws.amazon.com/earth/>

Traceability

Identify the past and present locations of all product inventory as well as a history of product custody

- Food safety and recall status
- Empower customers and protect small farmers Fair Trade agreements
- Comprehensive range of Amazon retail expertise and platforms
- Learn more: <https://aws.amazon.com/blockchain/blockchain-for-supply-chain--track-and-trace/>

Startups Innovating with AWS – Featured Case Studies & Blogs

CropX: CropX Runs Soil Sensor Application on AWS to Help Global Farmers Enable Sustainability

[Read the Full Case Study](#)

Beewise: Beewise Combines IoT and AI to Offer an Automated Beehive

[Read the Full Blog Post](#)

Perennia: Understanding the cost of production in agriculture: How Perennia leverages AWS IoT

[Read the Full Blog Post](#)

Halter: The Cow Collar Wearable: How Halter benefits from FreeRTOS

[Read the Full Blog Post](#)

See what our customers are building- All in the Field: 'AWS in Agriculture'

Learn about smart farm architecture in our premiere episode of All in the Field: AWS Agriculture Live!
#allinthefield

<https://youtu.be/S7VLSJgdKCE>

Our latest episode of our new livestream features startups from around the globe: Perennia, 30MHz, Riverwatch, GiliOcean, Semios, Steven Valencsin, Founder/CEO of Growers, and Matty Blomfield, Hectre CEO.

<https://youtu.be/8n2hN2orzBQ>

On episode 3 of All in the Field: AWS Agriculture Live, we get to the root of Computer Vision, which is used in everything from animal health, counting of livestock to pest & weed detection. #allinthefield

<https://youtu.be/tu2W9eQB1RQ>

On episode 4 of All in the Field: AWS Agriculture Live, we learn about autonomy in Agriculture and the impact to sustainability and animal health from Beewise CEO, Saar Safra and from CattleEye's CEO Terry Canning and CTO Adam Askew.

<https://www.twitch.tv/videos/771294979>

Helpful Resources

Innovative Architectures for Agriculture

- Connected Farm
 - [See Reference Architecture](#)
- Edge Inference for Agriculture
 - [See Reference Architecture](#)
- Livestock counting at the Edge
 - [See Reference Architecture](#)
- Temperature Controlled Supply Chain
 - [See Reference Architecture](#)

AWS Architecture Monthly Magazine: Agriculture Issue

- [See All Viewing Options](#)
- [Read PDF Version](#)

Featured Service: Amazon Rekognition PPE Protection

- [Learn More](#)

Email Gili Lichtman, Startup Business Development Manager, AWS at gilil@amazon.com to learn more about collaboration opportunities for AgriFood-Tech startups at AWS- including startup programs & benefits, architecture & technical consultation, and business development opportunities.