Predictive Quality in Industrial Operations with AWS



Predictive quality analytics extract actionable insights from industrial data sources such as manufacturing equipment, environmental conditions, and human observations. It applies statistical algorithms such as machine learning to:



Determine patterns



Predict future outcomes and trends



Improve the quality of outputs

Quality problems have big impacts for industrial companies The inability to determine the root cause of

quality issues—along with excessive time and effort spent remedying them—can decrease yield or lead to costly product recalls







20% of a manufacturing company's annual sales lost to poor quality \$200K lost one day each week





build predictive quality models using data from all the devices in their industrial environments and third party data inputs

Using AWS IoT software and services, industrial companies can

Edge Software AWS IoT SiteWise

Complete the virtuous cycle and build predictive

quality models in the cloud and deploy at the edge

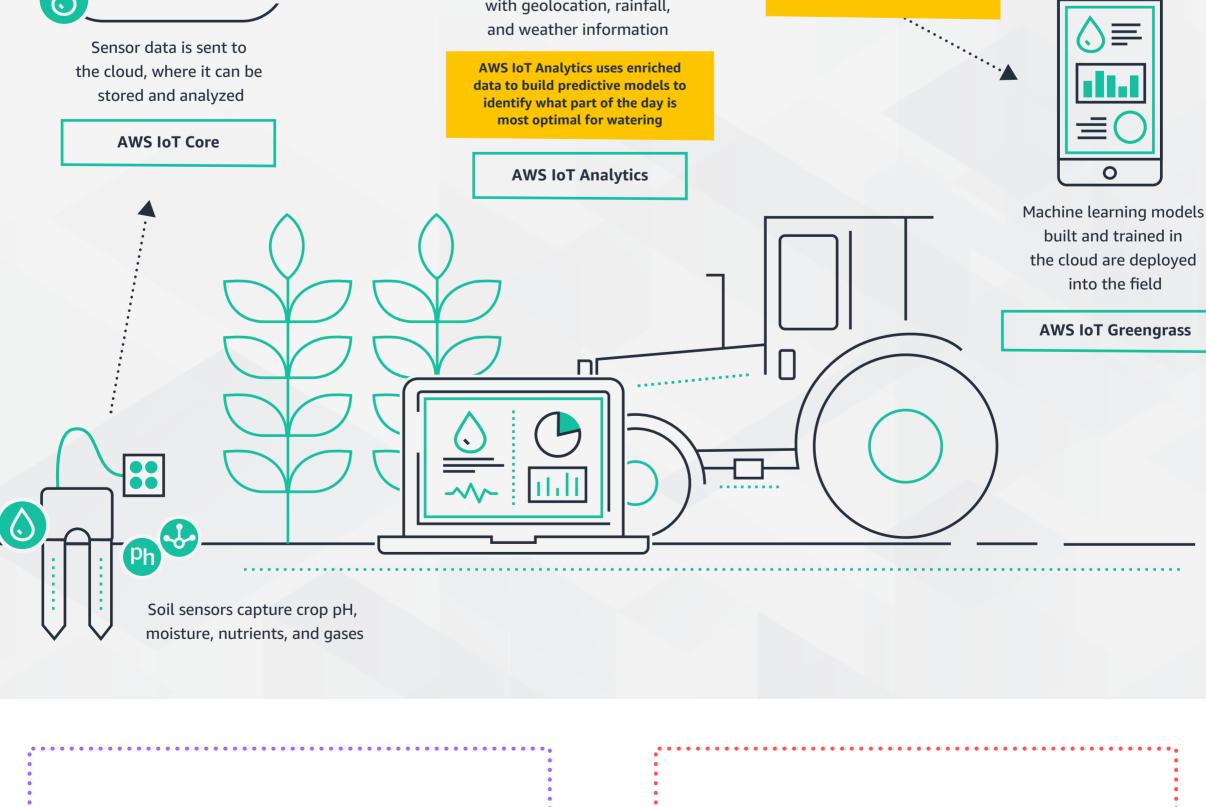


Learn more about our AWS IoT Partner Community. **Predictive Quality in Action with AWS IoT** On a vegetable farm, farmers can identify vegetable growth stages to increase crop yield and deliver more — at a higher quality — each season

bring together the necessary hardware, AWS services, and partner

analyze temperature, humidity, and pH levels so farmers can Sensor data is enriched better schedule watering with geolocation, rainfall,

solutions to solve industrial business challenges.



AWS IoT helps Teralytic reduce farmer costs and increase yield



Yanmar leverages

Machine learning models



AWS IoT to increase

produce quality in

greenhouse operations

Amazon Web Services can transform your business

and help your organization rise to its digital future.

Learn more

https://www.consumerreports.org/recalls/home-products-recall-round-up/