



Let's Solve

Case Study

Farm Harvest & Fertilization Management enabling 100% automation for Global Agri-Business Provider



A Larsen & Toubro Group Company

Client

The client is a leading global Agriculture Business Company operating from seed-to-shelf in 70 countries, supplying food and industrial raw materials to over 23,000 customers worldwide. Around 72,000 employees of this company have built leadership positions in 18 platforms, including cocoa, coffee, edible nuts, spices, rice, across the globe.

Challenges

- Need of automation across value chain from farm to market
- Cumbersome manual process of data collection and reconciliation, tracking of employees over 58,000 hectares
- Lack of visibility into the process, observations and workflows reporting issues

LTI Solution

- End - to End Modern architecture on Cloud, API Management and Containerization enabled by DevOps.
- Microservices (Java SpringBoot) and container-based architecture using Azure Container Services.
- Single DevOps platform solution for microservices and mobile applications.
- Mobile enablement of surveyors and GPS based tracking
- Real time data processing and storage through back end processes on cloud
- Tools & Technology Used: Azure, Java, Docker Container, Docker Swarm, Redis Cache, SpringBoot

Business Benefits Delivered

- 100% Automation of farm data capture leading to optimization in harvest and fertilization
- 80% Faster resolution to issues reported due to observation workflow
- Overall 35% improvement in TCO and 75% reduction in technical debt

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