



Global Channel Sales

AGL Needed IoT Edge Solution Support to Design and Scale Their Precision Livestock/Animal Monitoring Managed Services Offering

CASE STUDY

Precision livestock and animal monitoring solutions company AGL aimed to expand and scale its service offerings to quantify and monitor the health, welfare and productivity of animals by seeking internet of things (IoT) Edge support from TD SYNEX. This included cameras, microphones, device hardware and networking implementation.

AGL sought support with IoT Edge infrastructure (network, device and sensor) requirements and the integrated use of Microsoft Azure cloud-based technology. AGL is equipped to collect, retain and process animal and operational data to provide industry-unique views into animal health, welfare and productivity for farmers and their animal production partners.

“ TD SYNEX gave AGL orchestration in areas that were outside of our subject matter expertise. They provided us the resources, people and services we needed to bring our solution to market. ”

Marcel Sarzen
Founder and CEO, AGL





TD SYNnex Wields IoT Solutions to Make Precision Livestock Product a Reality

TD SYNnex provided hardware vendor connections and deployed Azure IoT to link both hardware and software solutions. To ensure scalability, TD SYNnex also supported AGL with their Practice Builder platform.

TD SYNnex's Practice Builder platform assessed AGL's needs and enabled them with the required technology to execute their solution. This IoT solution allowed hardware such as microphones, cameras and edge compute devices to be placed in animal grow-out operations (e.g., swine barns, poultry houses) to monitor and analyze animal behavior. These constant data points collected through AGL's Azure integrated EdgeAI™ technology allows for on-site artificial intelligence (AI), advanced analytics processing and Azure cloud storage, which ultimately allows farmers, and their animal production partners to detect problems and optimize the operational environment based on animal behavior patterns.

AGL Animal EdgeAI Solution Measures and Provides Insights to Optimize Animal Health, Welfare and Productivity

TD SYNnex's Azure Cloud Solution Provider (CSP) IoT solution allowed AGL to create and implement EdgeAI. EdgeAI allows farmers and their animal production partners to detect problems, improve productivity and ensure animal welfare by monitoring and analyzing animal behavior patterns and uploading insights to the Azure Cloud. These animal production insights directly impact reduced feed and health costs as well as animal mortality.

Riding on the success of their technical solutions, AGL is expanding in the precision livestock and poultry industry throughout the United States. TD SYNnex's Azure IoT solution also paved the way for AGL to extend its EdgeAI Animal Monitoring solution from agriculture to the defense industry. AGL has since expanded its product to the Department of Defense, monitoring military working dogs' health and well-being.

