



# Advancements in livestock technology

Consumer demand drives changes in industry, and the agricultural sector is no exception. Consumer demands for improved animal welfare have led to changes in the livestock sector, and various technologies have been developed and are in development to help this particular segment of the agricultural industry thrive.

According to the Animal AgTech Innovation Summit, various startups have developed technologies that can make the livestock industry more sustainable and efficient.

## Treatment

The Israeli firm Armenta has developed a non-antibiotic treatment for bovine mastitis that utilizes acoustic pulse technology. The treatment has a 70 percent cure rate.

Another firm working to treat livestock is the United States-based General Probiotics. Animal AgTech reports that General Probiotics develops cell-bots and antimicrobial probiotics that eliminate harmful pathogens in livestock. That can reduce dependency on antibiotics and make food production safer.

## Welfare

Faromatics, a firm based in Spain, has combined robotics, artificial intelligence and big data to improve animal welfare and farm productivity. One Faromatics product utilizes a robot suspended from a ceiling to monitor certain variables, including equipment function and health and welfare, that affect broiler chickens.

The American firm Swinetech utilizes voice recognition and computer vision technology in its SmartGuard product to prevent piglet deaths from crushing and starvation. The product also makes it possible to track and facilitate obstetrical assistance.

## Operations

Based in Uganda, Jaguza Tech has developed a livestock management system that utilizes sensors, data science and machine learning to improve the efficiency, productivity and sustainability of modern farm operations. Farmers can utilize Jaguza to perform a host of functions, including monitoring their animals' health and identifying their livestock.

The Netherlands-based H2Oalert is a water control management system that checks the quality and quantity of cattle drinking water in real time. The management system also checks for pollution and malfunctions in the water supply.

Livestock technology continues to advance, and firms across the globe are developing new products and platforms to help livestock farmers make their operations more efficient, sustainable and productive.



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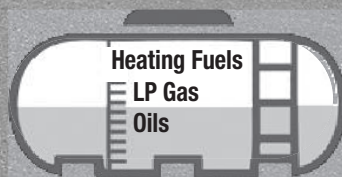
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