

# 225 MILLION

**THE NUMBER OF CONNECTED AGRICULTURE DEVICES EXPECTED TO BE IN OPERATION BY 2024.**

The farming and agricultural industry relies on innovative ideas & technological advancements to help increase yields & better allocate resources. Today, a driving force behind increased agricultural production at a lower cost is the Internet of Things (IoT), which leaves the door wide open for engineers looking to bring a smart farming solution or IoT agricultural sensor to market.

- Livestock sensors can notify ranchers when animals have roamed from the herd so that ranch hands can round them up. It helps identify sick animals so they can be pulled from the herd, preventing the spread of disease. It lowers labor costs because ranchers can identify where their cattle are located.
- Monitoring plant and soil conditions is a simple use case—but it can lead to a fantastic return on investment for farmers. Examples include sensing for soil moisture & nutrients, controlling water usage for optimal plant growth, determining custom fertiliser profiles based on soil chemistry, determining the optimal time to plant and harvest and reporting weather conditions.
- Self-driving tractors can be controlled remotely, providing significant savings in labor costs.

