Case Study

ABC Agri Inc., manufactures and sells smart agriculture IoT devices which monitor environmental data to analyze airborne pathogens and microbes so that pesticides can be sprayed much before visible disease symptoms start showing up in the crop.

However, the software application that has been shipped with those devices has a fault that skips detecting airborne pathogens in a timely manner. The consequences of this software bug are potentially devastating to its customers who are arable farmers - the farmers' entire crop could be lost. Spraying pesticides after visible symptoms appear in the crop increases expenditure by 15%. More importantly, the farmers will not reap the benefits of purchasing and installing the high-tech gear that promised to solve this problem. In this case, the ability to remotely update the software for the entire fleet of smart devices is crucial for ABC Agri Inc., and this is where SocketXP IoT Solution comes in.

SocketXP provides multiple tools under one cloud platform that are essential for the day-to-day management of smart agriculture IoT products. For instance, SockerXP remote control tool provides the option to remotely SSH login to the IoT device, debug the software, or alter its configuration settings. SocketXP OTA update tool pushes bug fixes or software updates to a fleet of devices in the field with a single-click.