



## **Case Study: Costa Farms**

Costa Farms is a multi-national supplier of house plants that grows \$600 million worth each year. Their smart greenhouses represent some of the most advanced automation at scale in the horticulture world. They use ControlByWeb's I/O products to monitor sensors gathering data on such things as temperature, humidity, light, soil moisture, salinity, and more. Our devices control a variety of greenhouse equipment such as fans, vents, motors, pumps, and valves.

### **Control Growth Speed and Plant Quality**

Their control system, partially powered by ControlByWeb, needs to be precise, reliable, and scalable.

We help Costa Farms control growth speed and plant quality in a cost effective way.

### **Automation Based on Weather**

In addition to environmental control, Costa Farms is using ControlByWeb modules to monitor outside weather and sunlight to affect how the greenhouse reacts to external factors. High winds will close vents, sunnier conditions will reduce lighting and, in conjunction with temperature, can activate automated shade cloth covers. Our controllers even help with employee safety by monitoring lightning detectors and sounding alarms. Costa Farms has a wide variety of I/O needs and looks to ControlByWeb and our inherent flexibility to solve them.