

# Soft fruit sector

## *Process computers for irrigation systems*



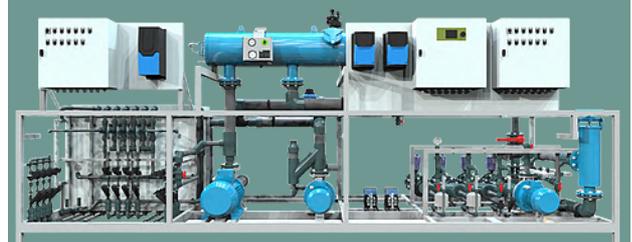
SERCOM has been a leading developer and supplier of process computers and sensors for various sectors since 1984. Our mission is to help customers achieve better results. We do this by giving them insight into the cultivation process, and by having better control of irrigation and climate. In addition, we offer energy-saving solutions that keep costs controllable and optimise the product.

### **Wireless connection**

A few years ago we introduced the Wireless Xtender (wireless field station). With this development, which is unique in the horticultural sector, up to 16 field stations or irrigation systems can be controlled wirelessly from one central point. This can be done up to a distance of five kilometres. As a result, growers with multiple greenhouses or irrigation systems can control all compartments from one location without an extra computer or expensive cables. This also applies to cultivation in the open field or in pots, where the irrigation systems can be controlled wirelessly over this distance in real time.

### **In brief:**

- Irrigation
- Wireless Xtender
- Control from one location
- Cultivation in open field or pots
- Fruit cultivation
- Soft fruit



## Solar energy

Another important development is the possibility of the Solar mini-field station, which uses solar energy. This system is equipped with smart advanced electronics, whereby the existing battery is charged and used as efficiently as possible. A minimal amount of energy is used to open and close valves in real time and to take measurements. It is easy to read the battery's power of each stand-alone field station at any time. This system is ideally suited for irrigation systems where no electricity is available.

## Irrigation systems

In collaboration with VGB Watertechniek BV (VGB) from Bunnik, we are active in the fruit cultivation sector. An important project that we supplied together is an extensive irrigation system for Berry Brothers in Zoelmond. Berry Brothers are important growers of soft fruit, such as redcurrants, blackberries and blueberries. At this location they also use scales that measure the drainage in pots. They use these measurements and the measurement of the EC to automatically mix and add the right amount of water. The possibility that SERCOM offers to control all functionalities wirelessly within a radius of five kilometres makes this project unique within the international fruit growing sector.

SERCOM has, amongst other things, computers for controlling irrigation systems for tree nurseries, the cultivation of fruit in the open field, in pots, in greenhouses or a combination of these. VGB has an irrigation system for every need. The combination of SERCOM and VGB guarantees a solution that will fully meet your requirements.

