

Aquarevo Smart Irrigation System



Sensor Node

The sensor nodes monitor conditions such as air temperature, relative humidity, ambient light intensity, soil moisture, soil temperature and send the data to the OneBox[®]+ controller.



Climate Station

Climate station monitors and records conditions such as air temperature, surface temperature, wind speed, wind direction, relative humidity, soil moisture, soil temperature and longwave / shortwave radiation required for assessing the cooling performance of the landscape.



Irrigation Sprinklers

Controlled by the OneBox[®]+ controller the irrigation sprinklers water the landscape only when required and only with the required volume of water.



Misting System

Controlled by the OneBox[®]+ controller the misting system activates on hot summer days to cool the misted area and promote outdoor activity.



OneBox[®]+

Receives data from the sensor nodes and uses it to control the misting and the irrigation system. Data is also sent to South East Water's SCADA system to enable remote monitoring.

Project partners

