

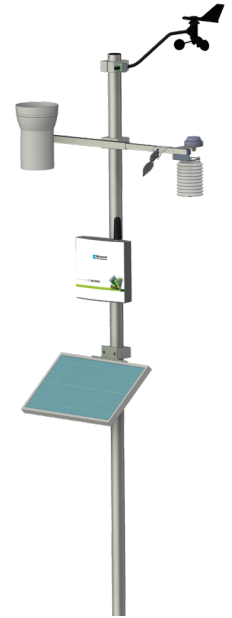
MOTTECH WEATHER STATION

Mottech's weather station is part of a Motorola control system. The system enables integration of weather station data into the irrigation control center - ICC PRO.

The weather station is the result of long-term development that combines high quality standards, robust and reliable hardware, a large selection of sensors and advanced Internet interfacing.

Mottech's weather station advantages

- Connection of sensors network to the weather station
- Real-time Meteorological data in one minute time resolution
- Accessible data site, which is user-friendly and easy to operate
- Energy source: General power network or battery + solar panel
- Station data translated to agricultural models enable superior decision making
- Transfer data using cellular GPRS, LAN or MODBUS



Mottech weather station incorporates number of sensors



Wind Speed



Humidity



Wind Direction



Temperature



Rain



Radiation

The weather station processes the sensors' data and calculates the following meteorological data:

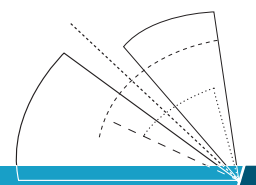
- Daily evaporation (ET)
- Dew point - temperature condensation of dew in a given humidity
- Minimum and maximum values for sensor data
- Rain data
- Warnings of abnormal situations and values of extreme data
- Models for discovering and identifying possible disease development



Mottech weather station serves as a hub for other various types of sensors, such as: soil moisture, temperature, electrical conductivity and leaf sensors, which provide data on humidity above or below desired leaves.

These sensors connect by both wire and wireless communication to the weather station. From there, the data is transferred to the irrigation control center - ICC PRO.

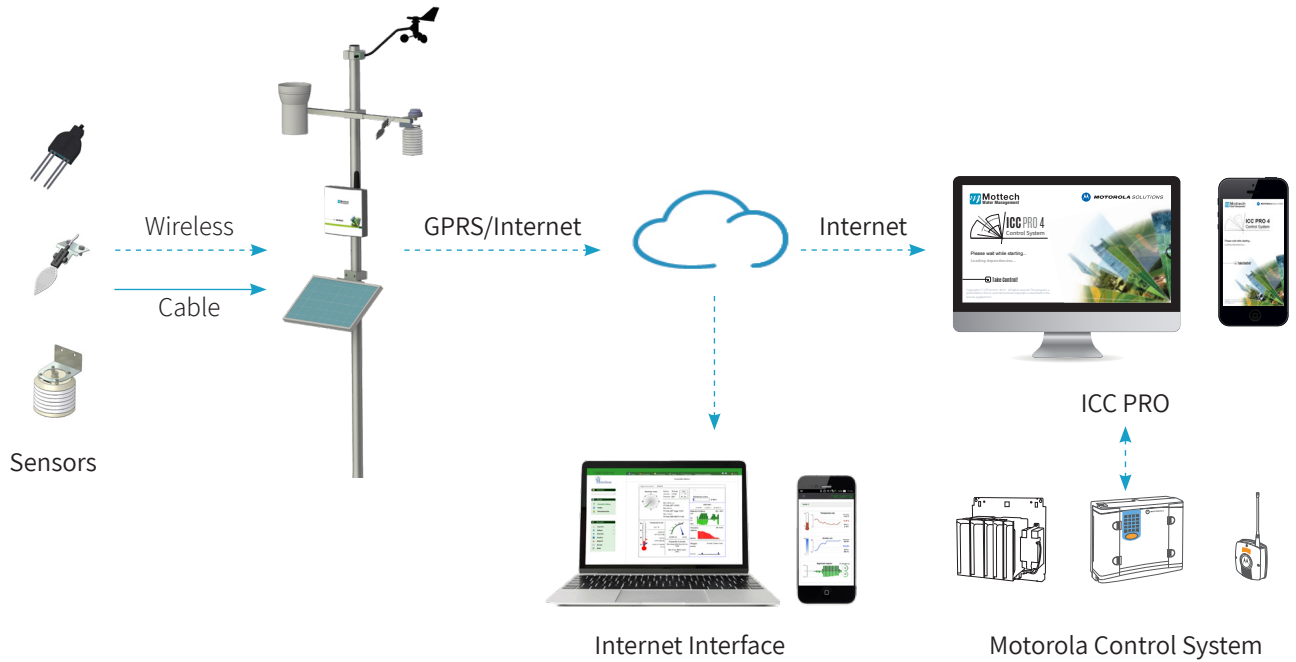
This integrated system enables the presentation of sensor data in the ICC PRO, opens and closes the irrigation program depending on the sensors' data, and automatically changes the volume of the irrigation program. Likewise, it allows for synchronization of data by sensor reports produced by the ICC PRO, shows graphic data, and presents them on the user's screen.



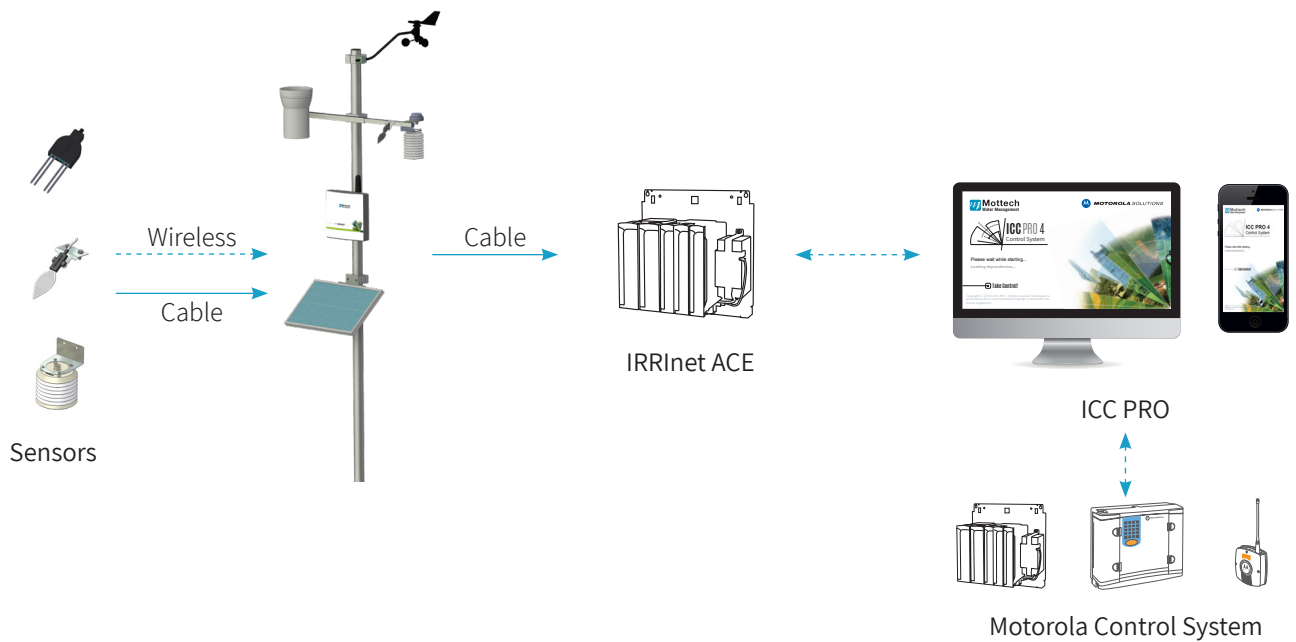
System Layout

Connecting Mottech weather station to the Motorola control system

Option 1 - Connection via cloud



Option 2 - Direct connection to the IRRInet



Take Control!

