

IoT-Hardware Platform for Smart Farm

Wireless Sensor Network for Management and remote Control (WIMARC)

WIMARC Smart Farm System acquires and displays real-time sensor data. Not only sensor-data but also the system can capture image periodically. Both data and images are collected in Cloud Server and can be provided for later analytic and used for farm management and control.

WIMARC for Open Field Farming

The system collects both the environmental information and soil moisture content. The acquired soil data is used for evaluation of water absorption by soil. These lead to design and install the high efficient irrigation system.



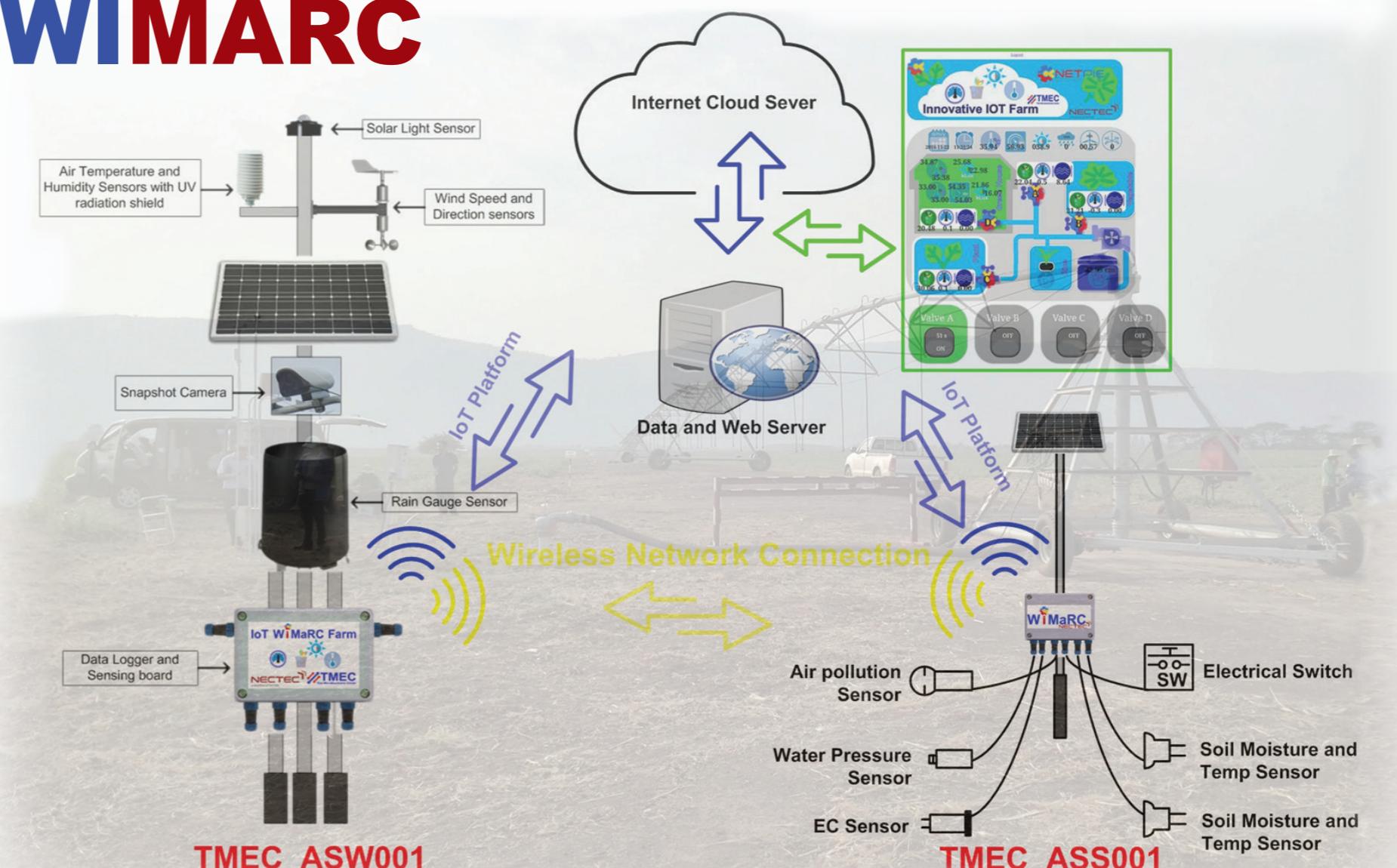
Device Components

Temperature, Humidity, Light, Moisture Sensors etc.

Arduino Nano

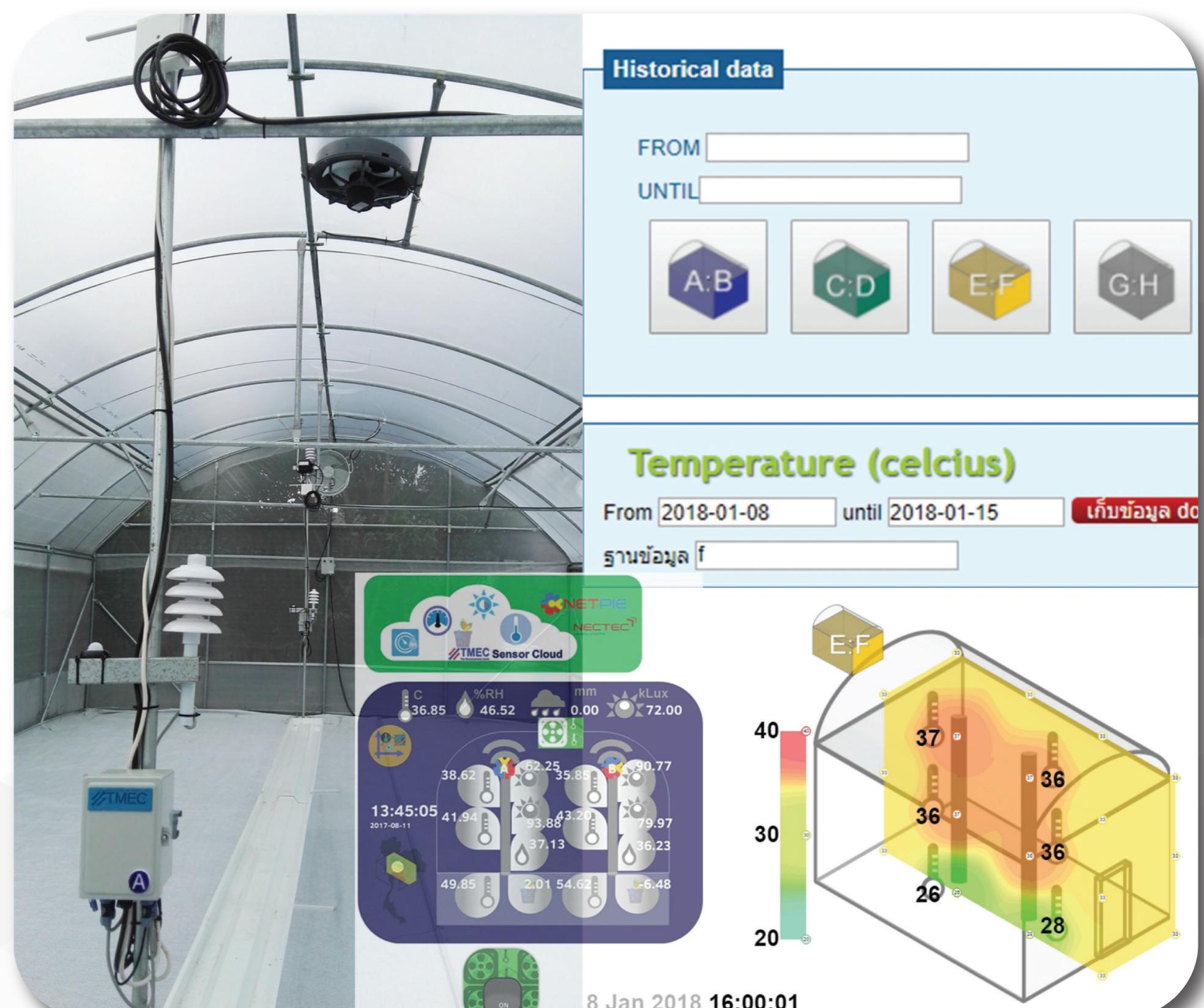
WIMARC shield for Arduino-Raspberry Pi

WIMARC



WIMARC for Greenhouse

Both outside and inside greenhouse environmental information are acquired by the system. The results can be used not only for irrigation but also the environmental control in greenhouse.



For more Information

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Why GitHub? Enterprise Explore

FarmWiMarC