

# IP MARKETPLACE

## CONNECTING INNOVATION TO YOUR BUSINESS

### TECH OFFER

## REAL-TIME HEAT INDEX AND AIR QUALITY MONITORING SYSTEM



### ▶ MORE INFORMATION

#### MEGA-TREND

- **SMART Cities and SMART Infrastructure**

#### TECHNOLOGY READINESS LEVEL (TRL)

- **TRL 5 (Lab Prototype - Field Testing)**

#### PATENT/ GRANTED NUMBER

- **UI 2020000785**

### ▶ TECHNOLOGY OVERVIEW

The present invention discloses a system for real-time heat index and air quality monitoring of tropical cities. The system comprises a weather station assembly, a data logger, a processing engine, a cloud server and a central server. The weather station assembly comprises a plurality of sensors selected from a group comprising a temperature sensor, a relative humidity sensor, an air pressure sensor, a wind speed sensor, a wind direction sensor, a rainfall sensor, a solar radiation sensor, an ultraviolet light sensor, a carbon dioxide sensor, an atmospheric particulate matter sensor, a sulfur dioxide sensor, a nitrogen dioxide sensor, a carbon monoxide sensor and an ozone sensor.

### CONTACT US!

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