

SENKEN-TECH



Warning System For Hurricane



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Warning System



Acoustic Coverage



Monitoring System

1

The warning and notification system integrates seamlessly with existing third-party monitoring systems for hurricane-related meteorological data. Sensor, satellite, and weather station data is automatically transmitted to the control centre for analysis. When a risk is detected, the system immediately issues public alerts via SenkenTech sirens and other communication channels.

2

The Electronic Sirens

The Senken Tech sirens provide reliable, wide-ranging warning coverage in hurricane-prone areas, including coastal and low-lying regions. Their clear voice alerts guide residents before, during, and after a hurricane. The sirens can be operated locally or remotely, individually or in groups, and remain fully functional during power outages thanks to backup batteries. With solar power, they achieve complete autonomy.

Control Center

- 3 The control centre serves as the brain of the system. Equipped with advanced SenkenTech software, it continuously collects and analyzes data from sensors and weather stations, automatically triggers warnings when critical thresholds are exceeded, and ensures maximum reliability even during crises with full backup systems.

Communication Infrastructure

- 4 It ensures seamless communication between the control centre and all components of the warning and notification system, while also enabling integration with third-party systems.

Responsible Persons/Responders

- 5
 1. Notifies users of an emergency situation via phone call or text message.
 2. Enables personnel to be urgently summoned to offices or dispatched to rescue operations.

Advantage of Senken Tech's Solution

1. **Immediate alerts, no human action needed** - The system operates in three modes: manual (activated by operators), semi-automatic (activated after a preset countdown), and automatic (triggered when critical meteorological thresholds are exceeded).
2. **Reliable coverage with Senken Tech sirens** - Powerful electronic sirens with clear, highly intelligible alerts, even in challenging conditions.
3. **Infrastructure independence** - Reliable backup power ensures full functionality even during network outages.
4. **Targeted zone-based warnings** - Warnings are targeted only to affected areas, helping to minimize panic.
5. **Minimal maintenance and high reliability** - Featuring self-diagnostics, silent testing, and remote technical support.
6. **Integration with third-party weather monitoring** - Integration with wind sensors, meteorological stations, and predictive models allows warnings to be issued based on real-time, accurate data.
7. **Real-time voice announcements and evacuation instructions** - In addition to traditional siren tones, the system broadcasts clear voice messages with evacuation instructions and other critical information about impending hazards.
8. **Outstanding durability and long service life** - Robust construction and proven components ensure reliable operation for decades without the need for replacement or upgrades.



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