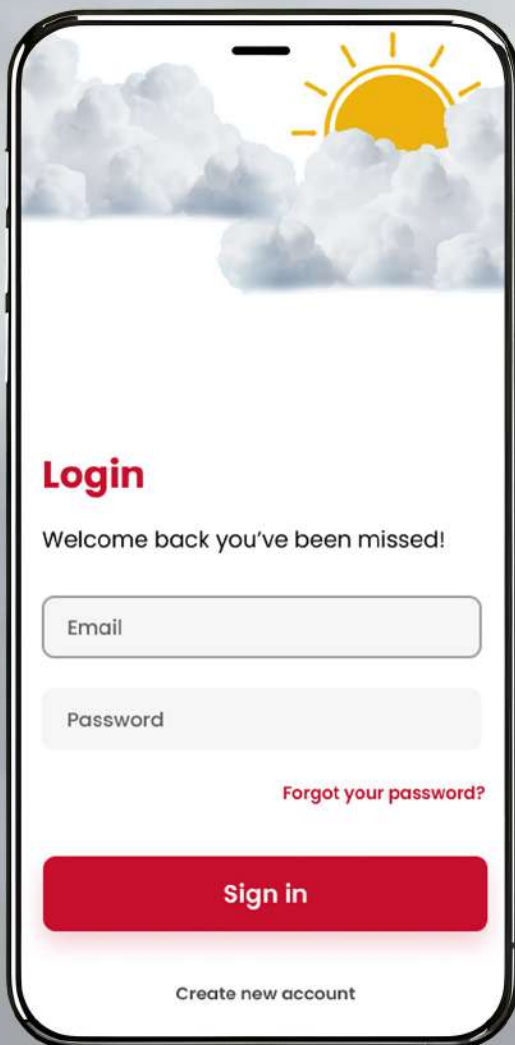


KNFWAS – Smart Weather Alert System

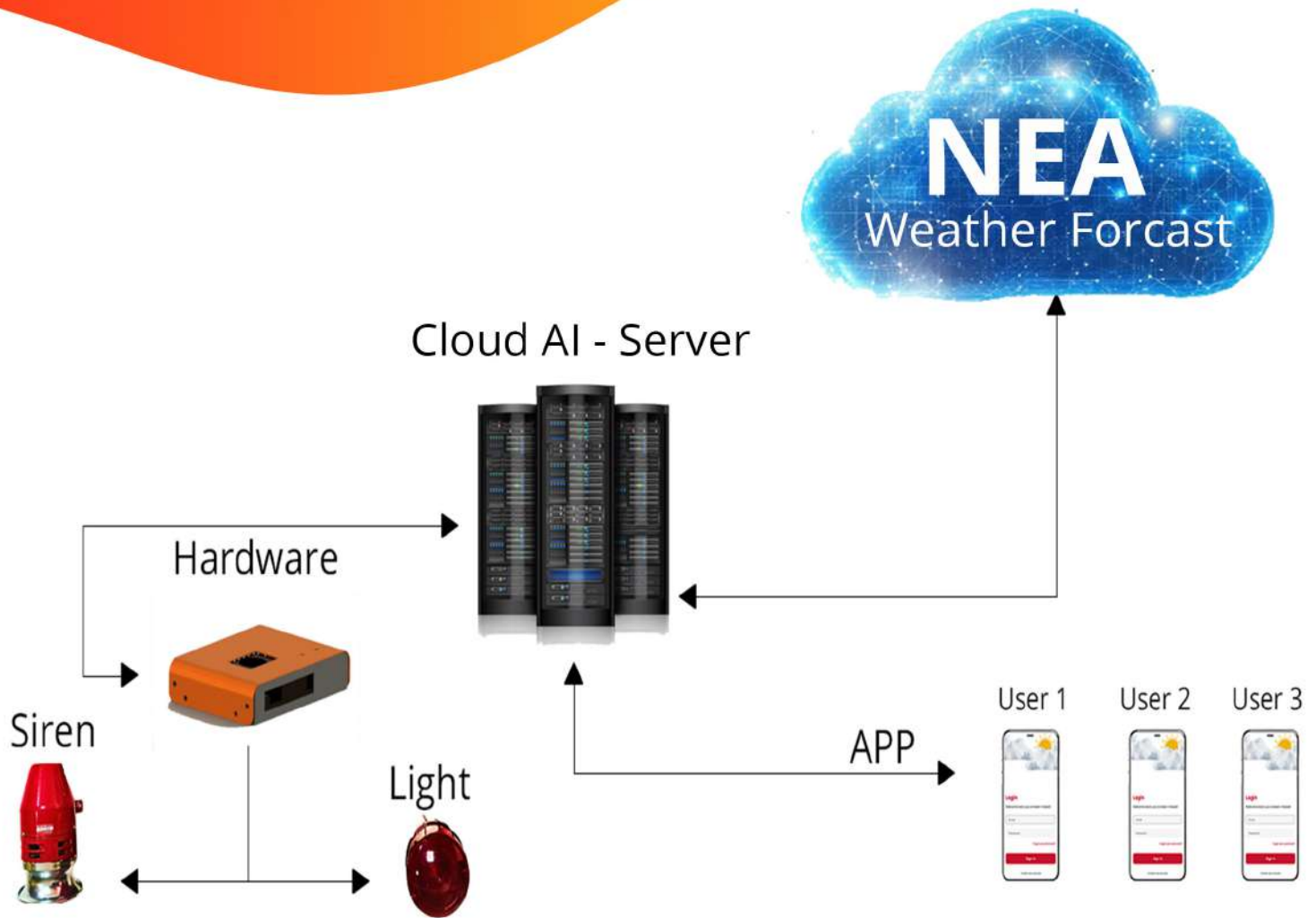
Real-Time Alerts for Safer Worksites | Powered by NEA Weather Data



KNF SGWAS is a smart, integrated **weather and lightning alert system** developed by **KNF Enterprises Pte Ltd.** Designed for **construction, industrial, and institutional environments**, it delivers real-time warnings via **NEA-sourced weather data** to prevent weather-related risks and disruptions.

We provide full **hardware installation, app integration, and custom alert configurations** to meet diverse operational needs.

How It Works



- 1 Data Collection** : Real-time weather data is retrieved from the **National Environment Agency (NEA)** using authorized API access.
- 2 Data Processing** : Cloud AI Server analyses the incoming data to identify potential weather threats such as lightning, heavy rain, and storms.
- 3 Alert Transmission** : Instant alerts specific to a customer site are transmitted to both **on-site audio-visual devices** and **mobile applications**, enabling immediate response.

Key Features of KNFWAS



Lightning Alerts : Instant notifications when lightning is detected nearby.



Weather Monitoring : Real-time updates on rain, wind, and storm activity.



Mobile Integration : App-based alerts for iOS/Android with unlimited user access.



Audio-Visual Alerts : On-site sirens and strobe lights for clear warning signals.



Customization : Location specific alerts, customizable for alert timing, duration of alerts



NEA Data Integration : Powered by live data from Singapore's NEA.

Direct Impact of adverse weather and lightning

- 1 Delay Project Timelines** : Heavy rainfall can halt outdoor construction activities, such as excavation, concrete pouring, and roofing, causing delays in Work Schedules.
- 2 Material Damage** : Rain can damage materials like cement, timber, and electrical components, increasing costs and waste.
- 3 Equipment Issues** : Prolonged exposure to water can damage machinery and vehicles, leading to downtime and repair expenses.
- 4 Reduced Workforce Efficiency** : Workers may face hazardous conditions or uncomfortable environments, lowering morale and productivity.

The overall cost will be saved on prediction of weather and compliance will be addressed

Benefits of KNFWAS

Benefits of KNFWAS

- 1 **Reliability:** Backed by NEA's trusted data and state-of-the-art technology.
- 2 **Ease of Use:** Intuitive setup and operation across all platforms.
- 3 **Scalability:** Tailored solutions for both individual and large-scale needs.
- 4 **Flexibility:** Customisable alerts and timings to suit the needs of organisation.
- 5 **Support :** Dedicated customer service and technical support teams.
- 6 **Now aligned with latest MOM safety recommendations** for weather alert systems on construction and outdoor work sites.

Contact Us

KNF Enterprises Pte Ltd

- ✉ sgwas@knfepl.com
- 🌐 <https://knfepl.com>
- ☎ +65 8820 2860 / +65 9048 9224



Stay ahead of the weather with KNF WAS – because every second counts.