



AI Directions

# Advanced Leak Detection and Alarming System(ALDAS)



Advanced Early-Warning System for Water Leak Protection by  
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## WHAT IS ALDAS?

ALDAS is an advanced, integrated LoRaWAN-based system from AI Directions designed for early water leak detection. It helps prevent significant damage and boosts building management efficiency across various properties where water leakage poses a high risk to assets and business operations.

## KEY FEATURES

- Real-Time leak detection:** Instantly detects even minor leaks to prevent major damage with multiple alert channels including SMS, notifications, and emails.
- Wide-Area wireless coverage:** Ideal for high-rise, steel-structured buildings and warehouses.
- Battery life up to 5 years:** Low-power sensors with minimal maintenance.
- Security:** Secure communication with role-based access and data encryption.
- Customization:** Adaptable to the customer's specific requirements.



## APPLICATIONS ACROSS INDUSTRIES

- Residential:** High-rise building's water damage management and control.
- Commercial:** Office complexes, malls, and retail environments.
- Warehouses & industrial facilities:** Help in protecting major assets.



## MAINTENANCE & SUPPORT

- Automated monitoring:** with battery and connection status alerts.
- Continuous diagnostics:** Real time updates provided by AI Directions' dashboard.
- Monthly reporting:** of alarms, locations, and oversight.