



**PUBLIC
WARNING
SYSTEM**

Developing Cities Smarter Than Ever



ALLIANCE
COMMUNICATIONS SYSTEMS

PWS

Public Warning System (PWS) has been implemented in the United Arab Emirates by Abu Dhabi Police and National Emergency crisis and Disasters Management Authority (NCEMA). The main purpose of the PWS project is for the UAE Authorities to trigger public announcements and warnings via Mosque speaker system with communication over the existing radio network. The PWS system deployed in 2000 Mosques within Abu Dhabi Emirate enables the execution of a public announcement within seconds. The system has been effectively used in the combat against COVID-19 to provide guidance and communicate restrictions to the public. The PWS System is an innovative communication tool which increases the level of citizen's safety in Abu Dhabi Emirate and can be easily implemented in more locations all over the world.

INNOVATIVE TECHNOLOGY

The innovative use of TETRA & LTE communication technology in the Smart Modem allows for the Authorities to not only trigger pre-recorded messages but also send new announcements from the dispatcher to the smart modem over the air. The broadcast function allows the announcement to be done live which is an important feature that can be used in critical situations that require immediate action from the Authorities. The Smart Modem's innovation is to collect and send alarms to the system that are displayed on the map in real time. Functions such as GPS polling, real-time tracking, map-based DGNA & geofencing are also available to ensure security of the system. PWS is the only system that allows the Government to reach the public with the specific voice message and not the siren sound only. The announcement is loud and clear and reaches the audience immediately once sent to ensure immediate action is taken to avoid the upcoming danger.

SYSTEM RELIABILITY

The PWS System is very safe and reliable. The PWS platform, integrated with NCEMA is fully controlled by the Abu Dhabi Police. It has also been recommended and used by the Barakah Nuclear Plant in the UAE. The safety measures are in place both in the hardware and software to ensure there is no risk of triggering the announcement by the third party without the appropriate rights.

SYSTEM components

- ▶ Smart modem
- ▶ PWS application & database
- ▶ Integration with Crisis Management System
- ▶ PWS recording facility
- ▶ Customized Dispatch System
- ▶ Customized network architecture
- ▶ Alarm signals
- ▶ PWS Dispatch System AVL services

