ELPRO Technologies
Flood Warning & Disaster Management Capability

We all know what mother nature is capable of when it comes to extreme weather. And we all sense that extreme events are becoming more severe. If you combine this trend with increasing urbanisation the risk of extreme flooding is on the rise in all corners of the globe. While you can't prepare for every flooding outcome, you can at least be well informed. Data and modelling are the key to being able to predict a severe flood and providing residents and authorities with the maximum preparation time.

Governments and Disaster agencies are responsible for providing strategies for the safety of residents during weather events. When we experience or are about to be hit with an adverse set of weather systems such as drought, floods, fires, storms, tsunami and tropical cyclones, the collection of data and ability to quickly inform the relevant authorities of what is about to transpire in our local areas by issuing regular forecasts, warnings and constantly monitoring weather events as they evolve is critical to the co-ordination of resources.

ELPRO Technologies has been at the forefront of Flood Warning and Disaster Management networks by supplying ERRTS™ ALERT Field Stations, Repeaters, Receivers and Decoders for over 25 years. With excess of 5000 sites installed within Australia and overseas, ELPRO is able to provide a reliable, secure and flexible flood warning and disaster management communications path for new and existing users. ELPRO Technologies solutions for Flood Warning and Disaster Management extend beyond ALERT / ALERT2™ Systems through to IoT, Public and Private networks ensuring security and ownership of data during critical events.

ELPRO
Technologies

ELPRO Technologies knows your business when it comes to secure critical wireless communications. With over 35 years of Industrial Wireless leadership, with a global installed base, we service markets of Environmental Flood Warning, Disaster Management, Water / Wastewater, Mining, Energy, Oil & Gas, Irrigation & Automation.

Innovative product design and development team that developed the first high power wireless I/O mesh network and specialise in peer-to-peer and several other now mainstream technologies. ELPRO holds multiple patents around secure and efficient wireless technologies.

With 500,000+ units successfully installed in over 180 countries providing the water, power and services we rely on.

We design and manufacture our products to ISO 9001:2015 Quality management system meeting international standards and have certified products including UL/CSA, FCC, CE, ATEX, IECEx.

When you choose ELPRO Technologies for your Flood Warning and Disaster Management Network you can be confident that:

- Your network and data collection will continue to operate long after the power and telephone networks have failed

- Our best in class radios will ensure that even the most remote locations can be accessed reliably with good signals

- You're dealing with the global leader in Radio based I/O networks with 35+ years of experience

- You have a single equipment supplier responsible for your entire network. No more guesswork, no more cobbling a system together from different suppliers

- You also have the latest cyber security features which are also critical for a flood warning network.

- ALERT & ALERT2™ Field Stations / Repeater and Base Stations

- Monitoring of environmental conditions for secure reporting

- Self Contained IP68 enclosure

- UHF / VHF / IoT / Cellular or Satellite Connectivity

- Battery powered including Solar Regulator and Battery Charger

- Outputs to provide control

- Gateways for receiving ALERT / ALERT2™ data for monitoring systems

- Provides ALERT to ALERT2™ Conversion for legacy systems to integrate easily

- Modbus TCP/RTU and DNP3 Gateway for interfacing into SCADA

- Interface allowing for networking of regional co-ordination areas

- Gauge and weather system products

- Automated Flood warning sign connectivity

- Remote video monitoring of flooded causeways and rivers

- Emergency warning siren and flood gate interconnectivity to disaster centre monitoring systems

- Tailings and Dam monitoring systems

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