



iFLOOD Monitoring System OVERVIEW OF OPERATION

The **TST iFlood Monitoring** solution incorporates digital IoT Sensory Devices with Electronic Signs to provide roadside warning of rising floodwaters in flood prone areas. The system incorporates a water level sensor device that connects to a wireless trigger switch, that upon activation sends an activation command to the adjacent electronic signs that will activate with the required and pre-determined messaging, which is typically flashing amber beacons above a metal plate sign.

The system communicates with the Aldridge Traffic Systems (ATS) **TST Management System** that provides clients with direct access to each asset installed. In addition, the system gathers data continually from site that is then presented to the client through data visualisations, so that intelligence can be driven from weather events including the ability to identify intervention points to minimise the risk of stranded motorists.

The system is based on the previously deployed ATS sensor activated signage that has been designed to be installed in high water areas and maintain the IP68 water ingress protection. All systems, unless specifically requested, are self-contained and operate from 12/24v solar powered systems that utilises intelligent power management systems to maximise asset life whilst minimising failure.



TST iFLOOD Monitoring System



Flood Sensor Site

- Stainless Steel Enclosure c/w lockable latches and post mounting rail
- Solar, battery and load circuit protection
- 6Amp Solar Controller
- 26Ah Gel Battery
- 40W solar panel and bracket
- 4G wireless transmitter



Sign Site

- Stainless Steel Enclosure c/w lockable latches and post mounting rail
- Solar, battery and load circuit protection
- 15Amp Solar Controller
- 50Ah Gel Battery
- 4G wireless receiver
- 2 x 200mm Amber LED AS-2144 beacons
- Black Target Board and Main Sign



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