



Low-Cost Flood Gauges

More eyes on the creeks and roads that flood first.

Low-cost gauges fill the gaps between your main flood warning stations. A non-contact level sensor on a simple aluminium arm reports over the mobile network, with alarms set to the exact level where water reaches a road or a bridge deck.

Non-contact

Sensor sits clear of the water

Cat-M1

Low-power mobile telemetry

AHD

Surveyed alarm levels

What we deliver

- Site assessment, with alternatives if a location won't work
- Mobile (Cat-M1) signal verification on site
- Structure to suit: creek bank, bridge side-mount or culvert top-mount
- Paved target under the sensor so vegetation can't cause false readings
- Configuration, installation and commissioning
- RTK GNSS survey tying the sensor to AHD and local survey marks
- Flood awareness signage and keyed locks

Alarms that mean something

A level reading is only useful if you know what it means on the ground. We survey the sensor, the creek bed, the road crown and the bridge deck, then set alarm levels for water approaching and crossing the road. Every site gets a report with photos, offsets, survey data and trigger levels, so your team knows exactly what each alarm means.

Queensland councils: we're a Local Buy pre-qualified supplier (LB312), so you can engage us directly without running a full tender.

Project snapshot

Low-cost gauge network, South East Queensland (2025–2026)

Since April 2025 we've installed and surveyed a growing network of low-cost gauges for a South East Queensland council, filling blind spots between the existing flood warning stations. Sites range from creek banks to bridge and culvert crossings, each with a structure built to the same standard as a main-road install.

Sensor	Non-contact level sensor, 7 m range
Structures	Creek bank, bridge side-mount, culvert top-mount
Telemetry	Cat-M1 (LTE-M) mobile network
Survey	RTK GNSS, GDA2020, tied to State survey marks
Alarms	Set from surveyed road and deck levels
Security	Keyed locks, council awareness stickers
Reporting	Site report with offsets and trigger levels



Culvert crossing on a busy road



Side-mounted arm on a bridge

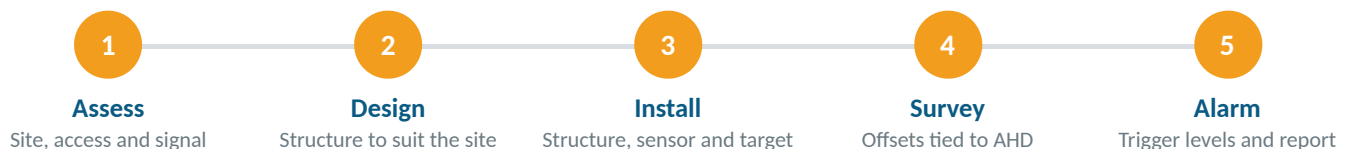


Gauge board surveyed to AHD with RTK GNSS



Keyed and locked

How we work



Talk to us about **your network**

Call 0408 255 779
Email admin@integratedrm.com.au
Web integratedrm.com.au



Local Buy pre-qualified supplier (LB312)
 Floodplain Management Australia member
 Australian Hydrographers Association member
 Operating since 2018