On-Farm Water Innovations Project: Tank Level Monitors Information Chart: June 2023.

Company	Connectivity				Power			Communications				Instillation		Cost (ex GST)	Ongoing subscription costs (excl GST)/ Annum	*ROI in the first three years of purchase	Considerations
	3G/4G	Sat	LoRa Wan	Cat-M1	Battery	Solar	Mains	Alert	Email	Text	Online	Producer	Provider				
Farmbot	Yes	Yes	No	No	No	Yes	No	Yes	No	No	Yes	Yes	No	$1,200.00	$342.00	142%	Very easy installation. More than one device can be attached to the solar panel, such as a rain gauge.
Farm Monitoring System - T35.	Yes	No- coming soon	No	Yes	Yes	No	No	Yes	Yes	Yes	No	Yes	No	$985.00	$168.00	238%	Easy installation, and accurate regular reporting, anywhere in Australia with access to internet.
Tanks 360 – Smart Water WiFi System.	Yes	No	Yes	No	Yes	No	No	Yes	Yes	Yes	Yes -any web enabled device.	Yes	No	$650.00	$15.00	428%	Very accurate reporting but only if in direct line of sight. Not good for hilly regions, booster available at additional cost.
Ellenex System	Yes	No	Yes (PLS2 -L)	No	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	No	$653.00	$88.00	234%	Easy to use, accessible.

*Return on investment: Every participant in the Barossa Improved Grazing Group On-Farm Water Innovations Project had individual, subjective, circumstances such as distance saved with travel, frequency of checking water tanks before acquiring the tank level monitors, and different vehicles (meaning different diesel/petrol consumption.) These figures are an estimate only, according to the individual circumstances of each farming business.

KEY:

Connectivity:
3G/4G – the device needs to access 3G/4G reception.
Sat – the device connects through satellite communication.
LoRaWAN – Long-Range Wide Area Network Connection.
Cat-M1 – low power wide area (LPWAN) technology.

Installation:
Producer – the installation is undertaken by the producer/landholder.
Provider – the installation of the device is facilitated by the technology supplier.

Power:
Battery – power can be supplied through a battery, and voltage can be monitored, and the battery replaced when necessary.
Solar – Power is supplied through a solar panel and a battery.
Mains – power can be supplied through mains electricity.

Communications:
Alert – a real-time alert is sent notifying the user of an issue.
Email – the device sends email updates to your nominated email address/s.
Text – text message updates and dashboards, sent as requested to the users/producers mobile phone.
Online – data that can be accessed online 24/7.