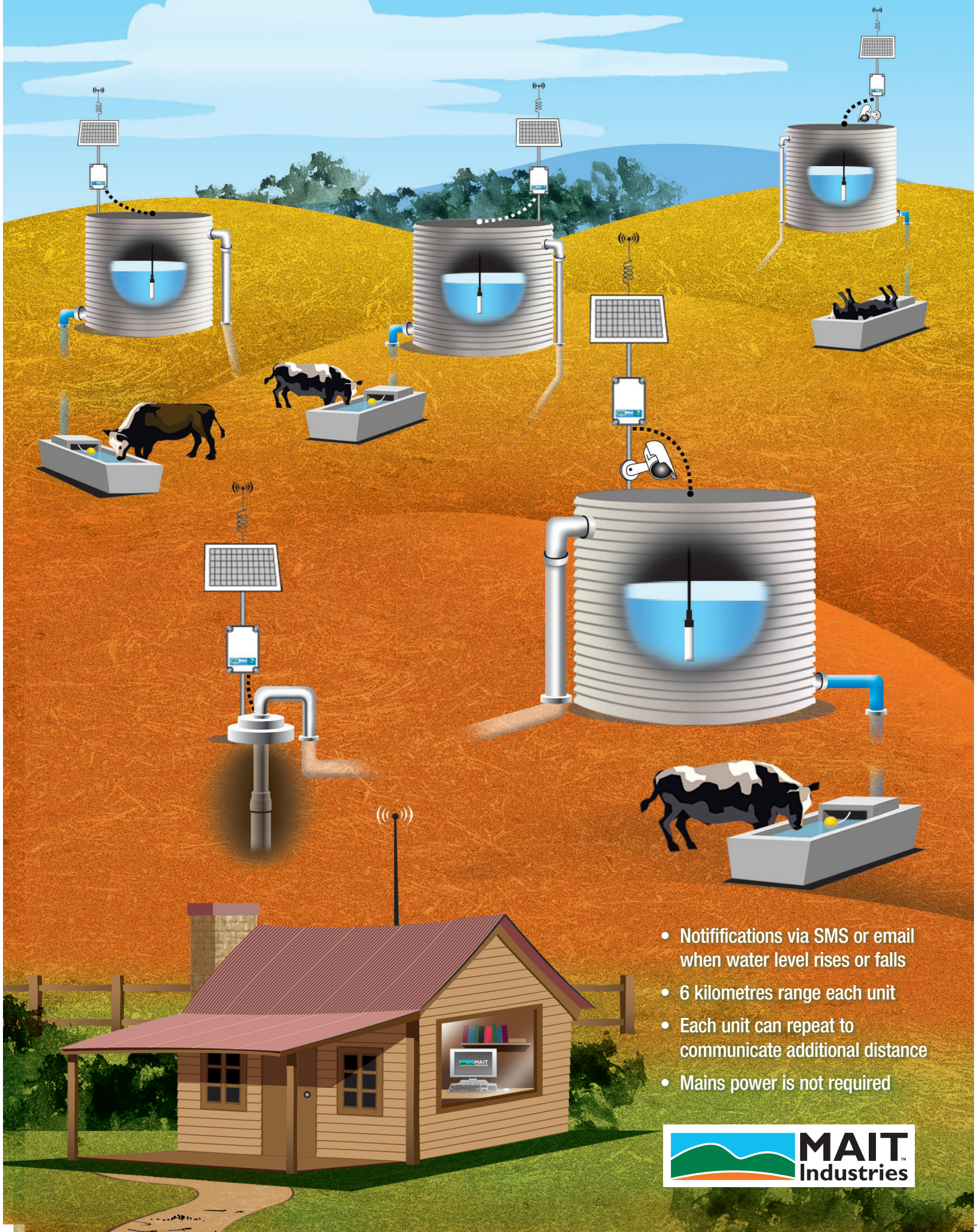


TANK FILL & MONITORING SYSTEM



- Notifications via SMS or email when water level rises or falls
- 6 kilometres range each unit
- Each unit can repeat to communicate additional distance
- Mains power is not required



KNOW YOUR VOLUME FROM WHEREVER YOU ARE

Tank Monitoring Kits

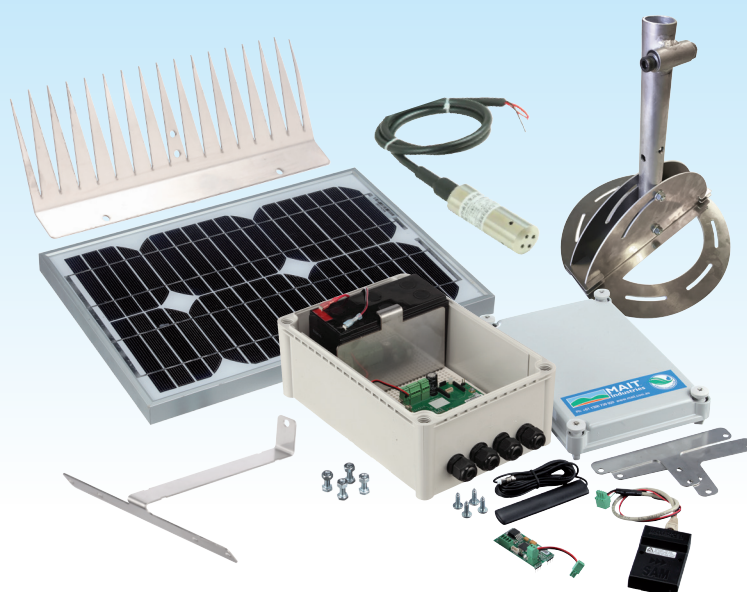
The tank monitoring units can be a part of a total radio system: e.g. Start/Stop pumps, Open/Close valves. You can have multiple tank monitoring equipment communicating back to a PC. You can also have a remote unit communicating straight to the internet. Both options are capable of alerting you when your tank is getting low.

TANK MONITORING KIT-RADIO

For the monitoring of tank levels. Radio communication between the PC and field site (6km line of site or further if multiple radio sites can be used as repeaters). Each board (BCL12S) can read two standard sensors such as level and camera. For remote monitoring via radio link.

TANK MONITORING KIT-WEB

For remote data collection using the Next G mobile network. Data from the field site(s) is stored on the MAIT server. Data is downloaded from the server onto clients PC (using iNTELLiLogger software) for viewing. Multiple logging sites can be connected via cable or radio using the iData web gateway.



STAINLESS STEEL LEVEL SENSOR WL4-C5

SPEC.	NUMERICAL VALUE
Pressure Range	0-4mH2O
Overload Pressure	1.5 Times Rated Pressure
Fracture Pressure	3 Times Rated Pressure
Accuracy	±0.25%F.S, ±0.5%F.S, ±1.0%F.S
Stability	Typical Value: 0.1%F.s Max.: 0.2% F.S/Year
Operating Temperature	-40°C~85°C or -40 °C ~125 °C
Compensation Temperature	-10°C~70°C
Medium Compatibility	All Caustic Medium Compatible With 316L

ELECTRICAL PROPERTIES

Output Signal	4~20mA
Power Supplies	10~30Vdc
Load Resistance	(U-10)/0.02()
Insulation	More Than 100M Ω @50V
Electrical Connections	Waterproof Fixed Cable + Two Rectangle Circle+Sealing Rings+Seal Gum+ Pure Glue Protection Grade : Ip68
Pressure Interface	G1/4,Input Type
Response Time	10ms
Electric Strength	500Vac@1 Second
Graduate Certificate Programs	Certificate Of Explosion-Proof, CE
Electromagnetic Compatibility	Electromagnetic Radiation En50081-1/-2, Electromagnetic Susceptibility: En50082-2
Lightning Protection	Air Conduction Resistance 8000V, Case, Cable Conduction

MAXIMUM RATINGS

Battery Terminals (w.r.t. Gnd) ^{Note 1}	-15V to +15V
Sensor Input Voltage ^{Note 1}	0V to +15V
Solenoid Output Voltage	0V to +20V
Solenoid Output Current	3A (continuous)
Sensor Supply Output Current ^{Note 2}	400mA

OPERATING CONDITIONS

Battery Voltage	+9V to +13.8V
Operating Current (12V supply, inputs open circuit, outputs off)	0.3mA (Radio sleeping, 12V sensor power disabled) 10mA (Radio awake, idle) 55mA (Radio transmitting)
Additional current with 12V Sensor Power enabled in "unregulated" mode	4mA approx.
Sensor Input Voltage ^{Note 3}	0V to 3.3V
Sensor Output Voltage ^{Note 4}	12V
Solenoid Output Current ^{Note 5}	3A pulsed <500mA continuous

Notes:

1. Inputs are clamped for surge protection. Continuous DC inputs outside these extremes will cause overheating and possible destruction of the clamp diodes.
2. The sensor output voltage is current limited and able to withstand a continuous short circuit.
3. Applying a voltage outside these limits will cause the input protection diode to conduct, placing approx. 1k resistance between the input and ground.
4. While the maximum sensor output voltage is limited to 12V it is derived from the battery voltage and, therefore, can never exceed the battery voltage.
5. The charge current into the standard Lithium battery pack is limited to 1A. Regardless of the charging source, drawing a total of more than 1A of continuous current will cause the batteries to have a net discharge.

CAMERA 12MM LENS CAM12

Waterproof Outdoor Camera
RS485
9~36V Power supply
12mm lens

