

Features & Benefits

- Monitor from multiple sites, pay telemetry from only one
- Monitor without phone coverage
- Multiple inputs, flexible sensor integration
- Alarm functionality
- Satellite communication - from only 50c per day
- Easy access & control via web portal
- Long-term reliability - made for rugged environments
- Easy installation
- Australian designed & manufactured



The **SatVUE-LINK Point to Multipoint Automation** solution has been designed to effortlessly interconnect multiple monitoring locations with one central access point.

With the ability to integrate with a wide-range of sensors, the **SatVUE-Link** solution combines long-range wireless radio (LinkVUE) and satellite communications (SatVUE) to reliably transmit your crucial data from multiple monitoring locations.

Being that wireless radio telemetry is a zero-cost method of transmitting data, the only ongoing cost is a single satellite connection fee - regardless of how many sites you are monitoring!

How it Works

LinkVUE Long-Range Wireless Radio

At each monitoring location, simply connect your analog / digital / SDI-12 / MODBUS compatible sensor (water level, rainfall, temperature et al.) to the LinkVUE end-point.

Because any LinkVUE module can be configured as either a hub, relay or end-point device, a LinkVUE networking system is fully configurable depending on your requirements.

A system could be as simple as utilising 1 x SatVUE-Link and 1 x end-point, for single site monitoring applications, or it could comprise of 1 x SatVUE-Link hub along with a combination of up to 50 end-points or repeaters for multi-site, multi-parameter monitoring.

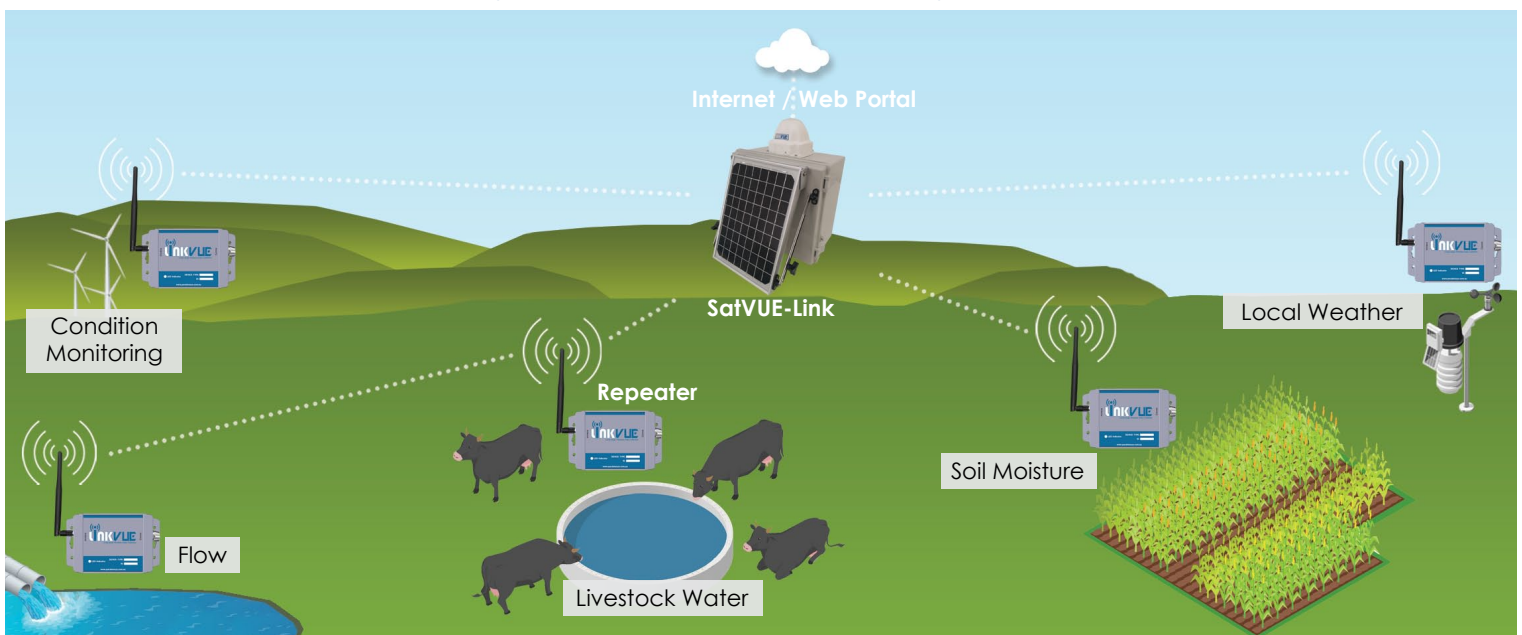
SatVUE Satellite Telemetry

Data from each LinkVUE end-point is sent to the SatVUE-Link. The data is then sent to the SatVUE Portal (via Inmarsat's IsatData Pro Satellite Communications Network) at a pre-determined interval or a specific time.

Example Application

The following illustration shows data being transmitted from multiple LinkVUE end-points through the SatVUE-Link to the web portal for end user access. In this example, each of the 5 x LinkVUEs are monitoring different parameters at various locations. 1 x LinkVUE is also being used as a repeater.

Multiple radio end-points → to one satellite terminal → access via a **single** remote web portal



Remote Web Portal

From only 50 cents per day, crucial data is then accessed remotely through the SatVUE web portal.

This portal also allows you to make manual changes to sampling and logging intervals and perform calculations on your data.

It also provides the ability to setup crucial alerts when certain thresholds are reached.



Monitor Multiple Sites via a single Remote Web Portal

Technical Specifications

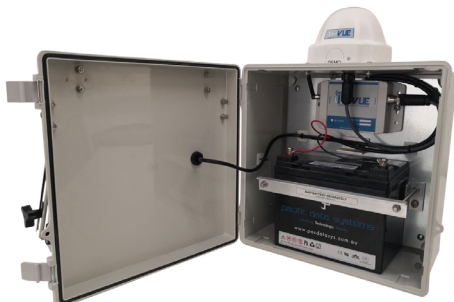
LinkVUE Long-Range Wireless Radio

Power Input	6-12V
Power Output	+12V 50mA DC output, derived from internal battery, to power external transducers and SDI-12 sensors
Internal Battery Life	dependent on features enabled / transducers connected - refer manual
Inputs/Outputs	2 x pulse inputs 5Hz max frequency - 100mS minimum on / 100mS off time 2 x 4-20mA or 2 x 0-10V transducer inputs (user selectable on board) -12 bit resolution SDI-12 port (up to 5 sensors)
I/O Connector Type	RS232 / RS485 (2-wire) comms interface for MODBUS® RTU comms (Hub only)
Connectivity Range	2 x 8-pin M12 up to 26km LOS



SatVUE Satellite Telemetry

Battery Type	12V/7.2AHr SLA (solar model) / Li.primary 12V/13AHr (batt)
Battery Life	~2yrs at 2 messages per day (battery version)
Battery Operating Temp	-20°C - +60°C (-68°F - 140°F)
Battery Charger	12V SLA charger with international adapter
Power Input	12 - 14V
Power Output	2 x 5V 12V 24V
Inputs/Outputs	1 x Multiplexed Analog/Digital/Counter Input 1 x Multiplexed Analog Input/Digital Input/Counter Input/SDI12 2 x Multiplexed Analog Inputs/Digital Inputs/Counter Inputs/Digital Outputs 1 x Modbus RS485
I/O Connector Type	1 x Tajimi 5-pin female conn.; 1 xTajimi 7-pin female conn., 1 x M8
Solar Panel	5W
No Solar Days	~30 (without solar input)
Pole Mounting OD	50mm



SatVUE[®] LINK
Point to Multipoint Automation

Sales Enquiries: www.satvue.com.au | info@satvue.com.au | +61 7 3361 2000