

Livestock Wellbeing Effectively Monitored

Post-install Benefits

- peace of mind that livestock wellbeing is closely monitored
- complete automation - no manual measurements/calculations
- hardware withstanding harsh conditions
- remote access from any web-enabled device
- ease of installation



Excessive heat load (EHL), or heat stress, can be detrimental to the health and wellbeing of livestock (potentially resulting in death), as well as leading to reduced feed intake, fertility and milk production.

For primary producers this equates to a loss of income and increase in operational costs. Therefore, being forewarned and knowing when to implement effective heat stress management programs, is crucial to a productive livestock industry.

Responding Quickly to Excessive Heat Load Events

Heat stress conditions can change very rapidly. By monitoring relative humidity, wind speed and black globe temperature, Heat Load Index (HLI) and Accumulated Heat Load Unit (AHLU) calculations can be made. This informs feedlot operators of the real-time heat stress conditions experienced by livestock which, in turn, provides an accurate assessment of what effective heat stress management programs may be taken.

The Solution

For this reason, a feedlot operator from Western QLD turned to Pacific Data Systems for a solution.

PDS recommended implementing their SPOKEdata feedlot weather station - a remote 3G monitoring solution that enables up-to-date, crucial HLI / AHLU data to be viewed both 'back at base' and offsite via a remote web portal.

Alarms Allow Rapid Response

Logging intervals were programmed for every 5 mins, with alarms included should heat load thresholds be exceeded. Should these occur, SMS alarms are sent to authorised site contacts, allowing them to make rapid, informed decisions as to whether or not to pre-arranged heat stress management procedures should be initiated.

The Outcome

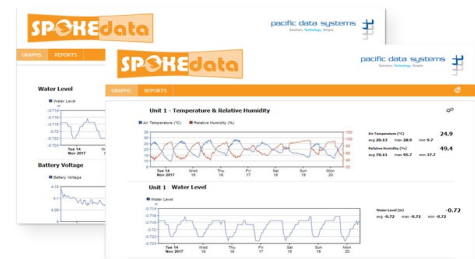
With a limited budget to work with, PDS were able to implement a solution that more than satisfied the feedlot operator's requirements, providing peace of mind for the welfare of their valued livestock.



Have other applications?

Due to its flexible sensor integration the SPOKEdata solution is ideal for monitoring across many applications

Find out more at:
www.SPOKEdata.com



Data accessible by remote web portal

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