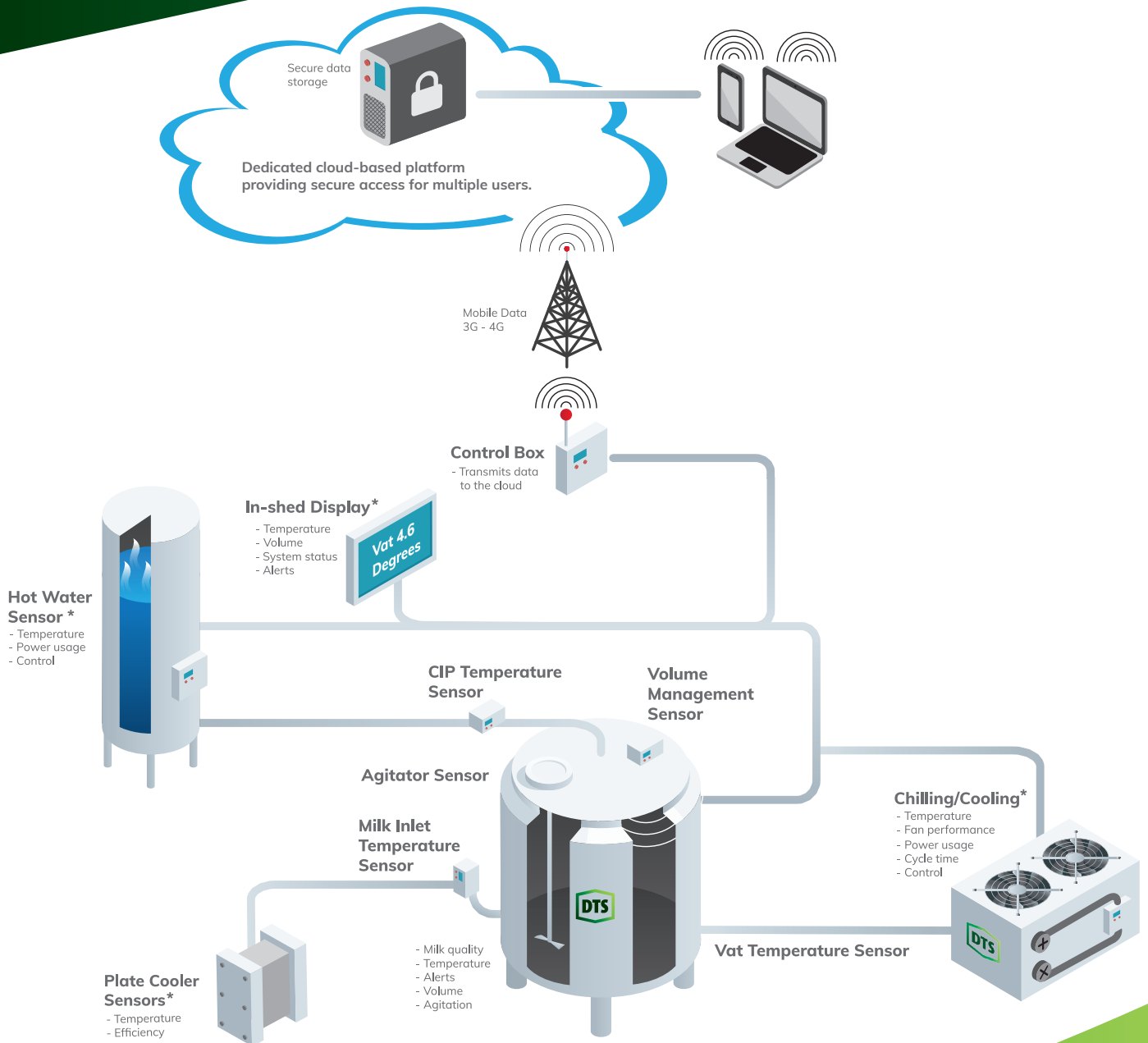




VAT-MAN

Managing vat and cooling systems just got a whole lot easier with the DTS Vat-Man solution.



*Please note these extra sensors/functions are not included in Vat-Man Lite

As New Zealand's leading nation-wide provider of quality milk vats and refrigeration systems, DTS works closely with dairy companies and farmers to surpass milk quality and protection targets.

DTS Vat-Man ensures compliance of milk temperature as well as vat volume and agitator operation. Vat-Man also provides a comprehensive range of alerts to avoid catastrophic equipment failure that could lead to a vat of milk being dumped.

Affordable, easy to install and simple to operate, Vat-Man can be incorporated into any current vat and cooling system and is also flexible to your needs and budget with three vat management solutions – Vat-Man Lite, Vat-Man Pro, and Vat-Man Auto.

VAT-MAN LITE

Our entry-level option provides monitoring and reporting on:

- Vat Volume
- Milk Temperature – tracking and recording inlet and milk vat temperature over time
- Agitator – sensing when the agitator is on or off
- Alerts for milk temperatures, milk volume level and agitator failure
- Wash temperature measurement sensor on CIP (Clean-in-place) pipe
- Secure login to Vat-Man dashboards from smartphones, tablets or PCs

VAT-MAN PRO

The Vat-Man Pro package takes monitoring of the dairy shed cooling system to the next level expanding the range of sensors on core equipment to alert you to potential equipment failures or inefficiencies.

Pre-cooling and Post-cooling Refrigeration Effectiveness

Monitoring:

- Compressor in/out temperature
- Ambient air temperature
- Compressor power usage
- Compressor motor temperature and vibration
- Ice/water temperature
- Hot water cylinder monitoring

Plate Cooler Effectiveness

Monitoring water inlet and outlet temperatures as well as milk inlet temperature.

Agitator Health

The agitator is a key part of milk health. Vat-Man Pro monitors motor temperature and vibration and then sends you an alert when these are outside of the standard operating values. Fluctuations in either of these will mean the agitator is not performing to its optimum and may be about to fail.

VAT-MAN AUTO

Vat-Man Auto provides even more peace of mind reducing the impact of human error, offering all the features of the Vat-Man Pro plus the additional benefit of:

Auto Refrigeration & Agitator Off/On

This function will automatically turn on the vat refrigeration and agitator once the milk volume in

the vat meets a pre-set threshold as specified by you. Using a temperature probe within the vat pocket, the automated refrigeration “off” function also activates at a vat temperature threshold set by you.

Vat-Man Benefits

Vat-Man’s dedicated cloud-based platform uses the IoT to share key data with you, on-farm staff or external consultants. By monitoring these assets you can enjoy numerous benefits:

- Milk temperature measurement to ensure regulations are met
- Vat milk volume measurement
- Proactive alerts on key equipment that mitigates the risk of catastrophic failures that could lead to the vat of milk being dumped.

Manage Energy Consumption

Energy consumption makes up a large part of a farms operating costs. Vat-Man can be customised to capture electricity consumption by device and by time. This information will provide the data to allow you to make decisions in relation to optimising your energy usage.

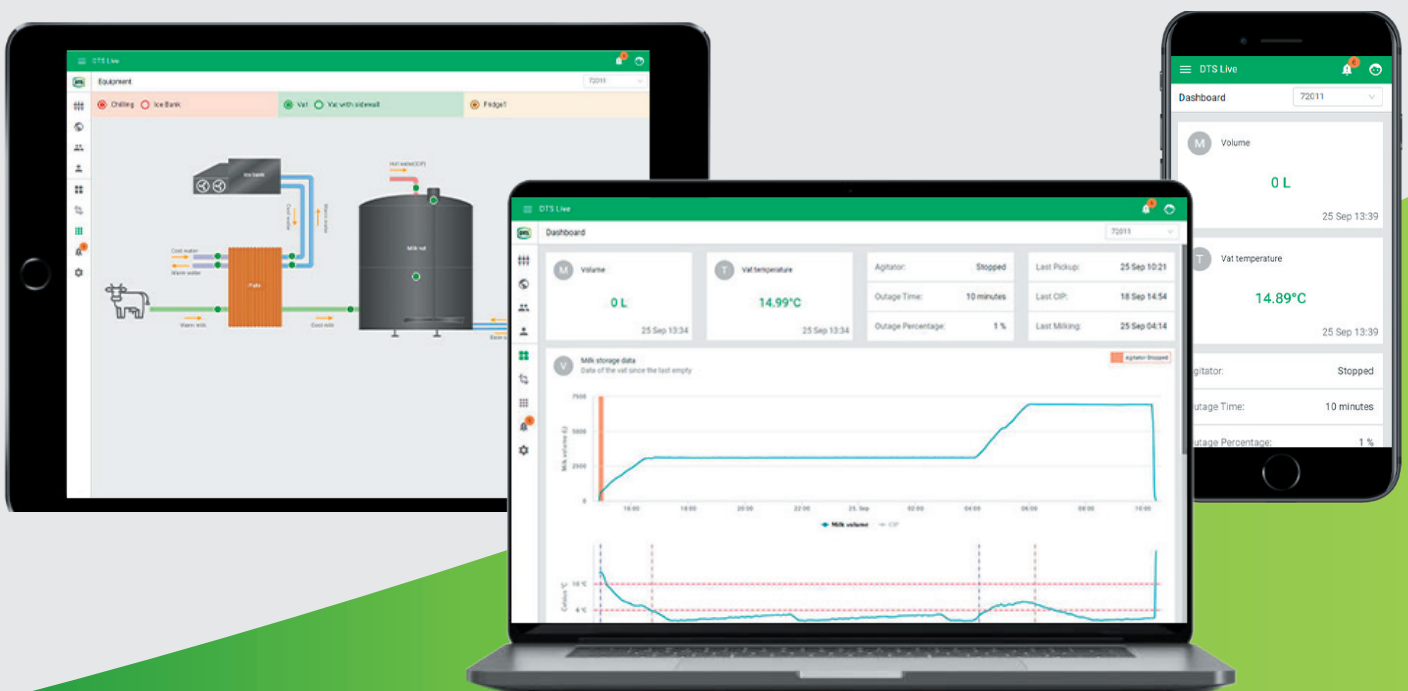
User Interfaces

Take your pick depending on where you are in the milking pit, in the office or off the farm.

The Vat-Man online dashboard is customisable to your farm so that you can see your key data in real time such as the milk cooling system being within specification.

Vat-Man also enables you to check on the performance of a particular piece of equipment on the vat or within the milk cooling system. You are able to set up alerts that will let you know when there is a problem allowing you to react quickly and minimise potential losses.

Checking on the vat system while milking is also achievable with an in-shed display highlighting milk volume and temperatures as well as the vat agitator status.





GROWTH THROUGH INNOVATION

To find out more about how we are helping dairy farmers grow through innovation, don't hesitate to contact us. Your local DTS representative will be happy to pay you a no-obligation visit.

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