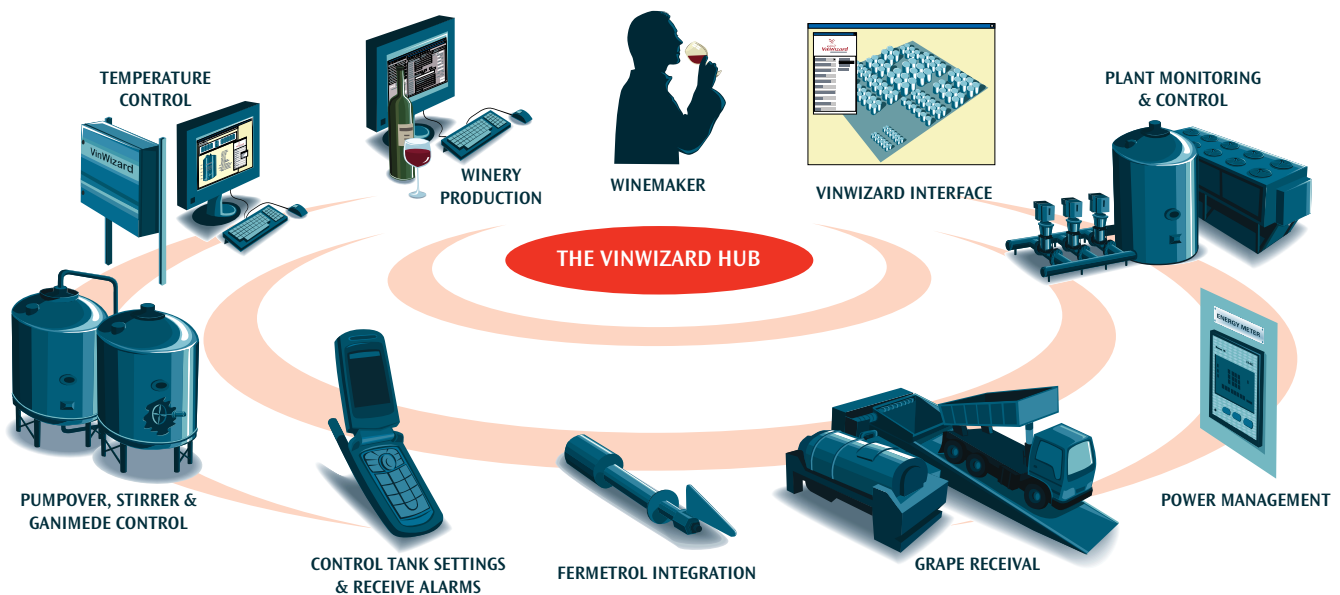# About VinWizard

VinWizard is internationally recognized as a leader in the provision of winery tank temperature control and automation.

For over fifteen years we have worked with winemakers around the world developing affordable tools to assist in the production of better quality wine while minimizing winery running costs. VinWizard's modular nature means the winery selects how simple or comprehensive they want the system to be with the flexibility to add more control in the future.

TEMPERATURE CONTROL

WINERY PRODUCTION

WINEMAKER

VINWIZARD INTERFACE

PLANT MONITORING & CONTROL

THE VINWIZARD HUB

PUMPOVER, STIRRER & GANIMEDE CONTROL

CONTROL TANK SETTINGS & RECEIVE ALARMS

FERMETROL INTEGRATION

GRAPE RECEIVAL

POWER MANAGEMENT

VinWizard Interface

VinWizard is a remotely accessible, graphical, interface that communicates the winemaker's requirements to the hub which in turn controls all the VinWizard modules.

Temperature Control

This module delivers reliable, accurate and innovative tank temperature control functionality. Can be configured with or without our preferred air control tank valves.

Fermetrol Integration

Provides continuous on-line graphical representation of the ferment 'rate of change' (sugar and alcohol levels). VinWizard can automate tank temperature control based on this information to meet the winemaker's rate of change requirement.

Grape Receival

The grape receival module can automate the collection and reporting of grape receival information through to controlling the flow of must to the presses, dosing the juice, printing delivery dockets etc.

Power Management

A more efficient usage of winery infrastructure is possible as a result of VinWizard communicating with all aspects of the operation from the winery production system through to tanks, chiller units, pumps, must lines etc.
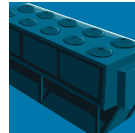
Control Tank Settings & Receive Alarms

Request current tank or plant status via SMS messaging and respond with change requests (e.g change setpoint). Also receive tank and plant alarms.

Pumpover, Stirrer and Ganimede Control

This module enables the winemaker to monitor and control the pumpover, stirrer, sweep arm fermenters and Ganimede tanks via the VinWizard interface.

Plant Monitoring and Control

The plant module integrates to the refrigeration system, pumps, must lines, air compressors, coolant tanks etc and raises alarms when required.

Winery Production

Third party software packages that are able to interact with the hub are integrated into the VinWizard system to further enhance the winemakers control and understanding of the winery.

Winemaker

Whether at work, at home or overseas, the winemaker has total visibility and control of the winery in addition to anytime/anywhere alarm notification.

Temperature Control

The temperature control module is the backbone of the VinWizard system. The starting point can be as simple or comprehensive as your requirements may be. The system can be delivered as a complete integrated hardware and software solution with or without our acclaimed air operated control option. Alternatively, if you already have aging SCADA control, we can replace it with VinWizard software over your existing PLC's. hardware.

1. Local and remote access via winery network, internet and cellular devices.
2. Adjustable deadband.
3. Add messages for other users.
4. Add notes to tanks.
5. Tank contents updated automatically from the winery production system or entered manually.
6. Dynamically create tank control groups for easy and immediate access.
7. Limit tanks a user can access.
8. Comprehensive tank alarms.
9. Control history of each tank showing who changed what and when.
10. Reports including Ullage, Status, Volume and Tank Status.
11. Multiple temperature monitoring points per tank.
12 Direct access to a tank by typing its name and hitting enter.
13. Export tank group data to spreadsheets

The 3D screen has become an important feature of VinWizard and a valuable visualization tool for winemakers and engineers alike.

Hover the mouse over any tank and see live tank details. Click on the tank and VinWizard takes you to that tank for control and alarm settings. Tanks can be coloured to show the following:

1. Wine Status
2. Control Settings
3. Control Status
4. Alarms

The 3D looks great up on a big screen where you get an instant overview of what is happening out in the winery.

VinWizard
Wine Technology Solutions

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