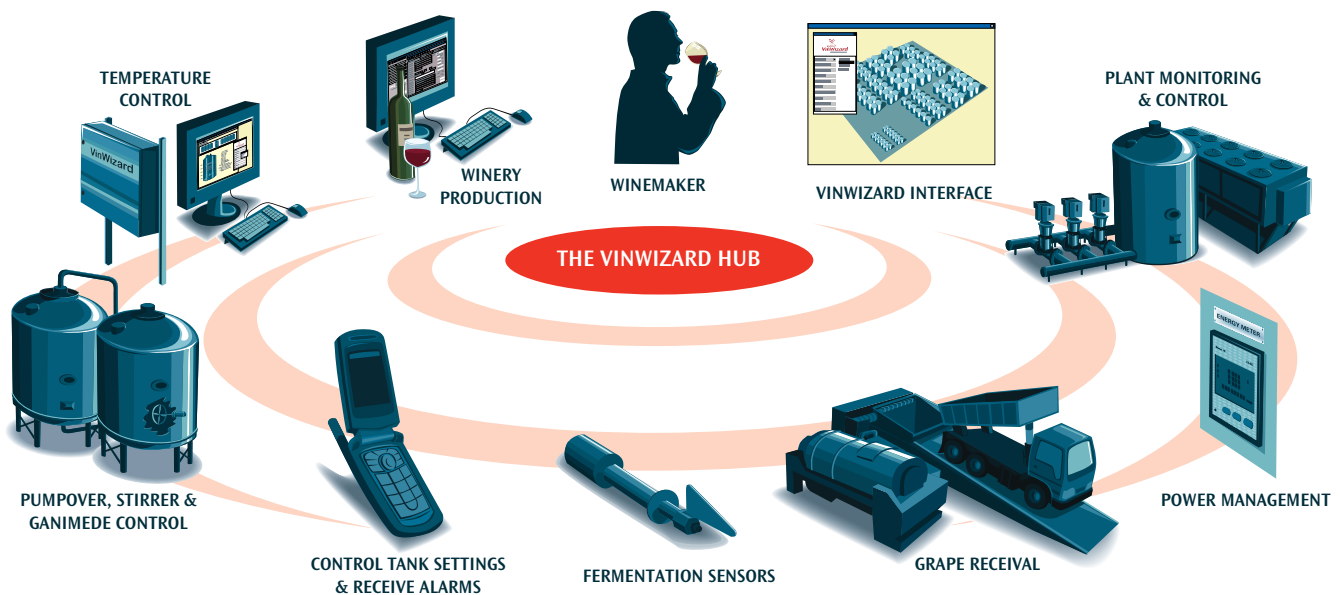# About VinWizard

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

Founded in 1996 the VinWizard team has 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

POWER MANAGEMENT

PUMPOVER, STIRRER & GANIMEDE CONTROL

CONTROL TANK SETTINGS & RECEIVE ALARMS

FERMENTATION SENSORS

GRAPE RECEIVAL

### 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

Reliable, accurate and innovative tank temperature control. Single and multiple sensor control options available. Can be configured with or without fail-safe pneumatic air valves for glycol control.

### Fermentation Sensors

Brix sensor for on-line monitoring of rate-of-change. Use in conjunction with temperature control to achieve winemakers requirements. Also Redox sensors to monitor when oxygen depletion becomes critical and automate pumpover for aeration.

### 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

With tank control and refrigeration plant integration the powerful software logic delivers power savings of up to 50%.
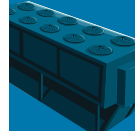
### Control Tank Settings & Receive Alarms

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 computer, tablets and phones.
2. Pulse Cooling with user definable valve open-close times for greater glycol energy transfer efficiency in the jackets.
3. Single and multiple temperature sensor options.
4. Schedule future temperature changes to automatically happen based on time or temperature triggers.
5. Wine information updated automatically from the winery production system or entered manually.
6. Dynamically create tank control groups for easy and immediate access.
7. Limit the tanks a user can see and limit what they can do.
8. Comprehensive tank alarms via email and SMS.
9. Control history showing who changed what and when.
10. Reports including Ullage, Status, Volume and Tank Status.
11. Add messages for other users and allocate notes to tanks.
12 Temperature charts with ability to export data and print.
13. Schedule cooling for off-peak power price periods.

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

**For further information please visit www.vinwizard.com**

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