OmniSite WINGs™

Combination Camera Surveillance and Traditional SCADA Monitor with PLC Gateway Interface

Since 1999, OmniSite is the leader in cellular machinery and equipment monitoring.
Meet our next generation WINGs product. A first-of-its-kind from OmniSite.
This combination camera surveillance and SCADA system can bring a compelling solution to your next monitoring or control project.

Quickly Web Enable any PLC Data, and Validate Critical Events via Audio and Video

What it Does

The OmniSite WINGs doubles as both a **Cellular, WiFi, and Ethernet Machinery Monitor** and a **Backup Cloud,** making it the perfect solution for monitoring critical or remote applications.

Save Time and Money

WINGs is easy to install and program. When an alarm occurs at a station monitored by a WINGs device, you'll be notified within seconds – quickly enough to correct the situation and avoid costly problems. Our products and services are a fraction of the cost of alternative solutions. Why? Because we believe being on a tight budget shouldn't prevent you from accessing important tools in your industry.

Real-Time Data & Alerts | When You Need It. How You Want It.

OmniSite reports are sent every 15 minutes with options to report every 5 minutes or even instantly through GuardDog, our web-based monitoring program. Receive alerts by **email, phone, text message, or any combination of the three.** *It's your choice.*

Fixed Cost Cellular Service

We use the largest wireless networks so your signal is strong and reliable. OmniSite was first to use cellular to monitor pump stations and remote processes, freeing you from high-cost, high-maintenance, complicated, traditional SCADA solutions. WINGs has a yearly billing plan, so you can budget costs easily!

Look at the Revolutionary Features of WINGs

Dual Ethernet ports, one dedicated for connection to IP cameras, and the other for connection to your favorite brand of PLC.
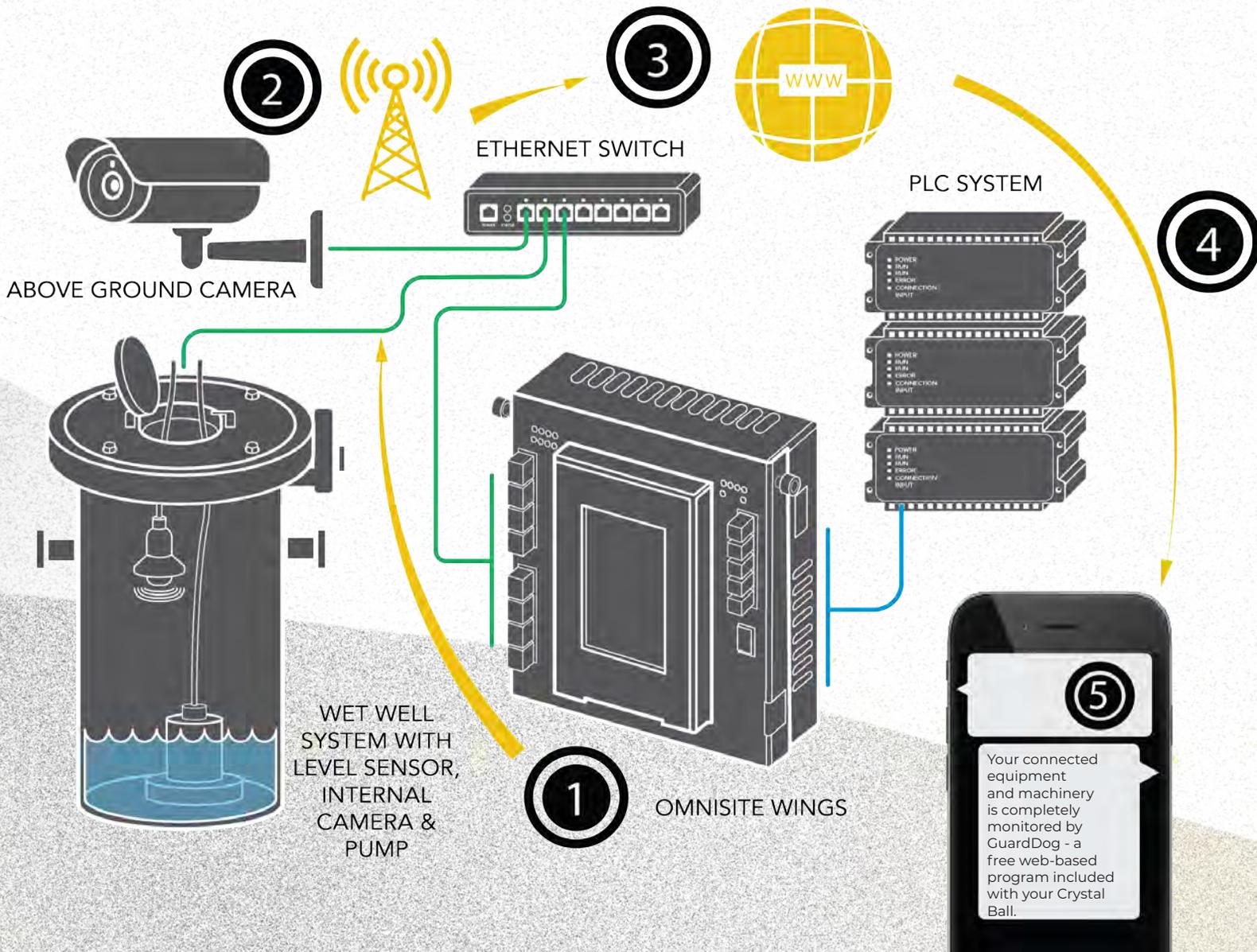Have an instant SCADA solution by utilizing OmniSite's rapid-development cloud-based back-end. It's an advanced notification system using voice, email, and text to notify your customers of abnormal conditions. It is also a complete historian with AI-based predictive maintenance features to predict equipment health and operation. Receive OmniSite's patent-pending "Alarm Validation," where you get a 20-second video/audio segment on each critical alarm event.

Need more? From your OmniSite phone app, just click "View Live Image Now" for more real-time information. Every WINGs kit comes with a submersible-rated IP camera to see inside your wet well — even in total darkness and fog.
Instantly cloud-enable up to 256 variables of any type from your PLC system to the OmniSite cloud. Just like the WINGs onboard inputs/outputs, any of your PLC variables can be set to notify via email, text, or voice, including camera audio/video.

How it Works

1 Data is collected by the WINGs device and sent to a local cell tower, or via your existing WiFi or Ethernet network.

2 The network relays this data to the OmniSite GuardDog cloud, where it's also available via OPC-UA to 3rd party SCADA platforms for redundant clouds.

3 OmniSite's historian keeps track of all events and data, keeping you organized.

4 Notification of critical events are sent to you by email, voice, or text.

5 From your phone, anywhere in the world, completely monitor your equipment.

ETHERNET SWITCH

PLC SYSTEM

ABOVE GROUND CAMERA

WET WELL SYSTEM WITH LEVEL SENSOR, INTERNAL CAMERA & PUMP

OMNISITE WINGS

Your connected equipment and machinery is completely monitored by GuardDog - a free web-based program included with your Crystal Ball.

WINGs KIT INCLUDES

4-20mA Amp Probe

Monitor your power output with our 4-20mA Amp Probes. This current sensor will monitor AC motor amperage from 50-200 amps. The sensor outputs a 2-wire, 4-20mA signal, allowing you to know if a pump is becoming clogged or failing.

Explosion Proof I-Level

This high-quality, submersible level probe is used to measure the water level in any sump pit, or tank where the water level does not exceed 20 ft. Standard bottom weight allows the installer to sit the level probe on the bottom of the measured vessel, eliminating calibrating offsets into the probe reading when it is suspended in fluid, and letting the user take as direct readings as the probe reads from the tank bottom.

Well Camera-Submersion Rated

See and hear in your wet well, or into any process, and receive camera video and audio to validate alarm events.

Everything You Need in One Box

The WINGs Kit even includes flex conduit, fittings, and preconnected wiring harnesses to save time in the field.

DEVICE SPECS

- Dual Ethernet ports
- Dual USB ports
- (1) SD card slot for camera DVR
- (5) Isolated analog inputs (4–20 mA)
- (8) Isolated digital inputs, 12-120V
- (1) Relay output to trigger alternator relay
- 5-inch high resolution color touchscreen
- Communication by 4G, WiFi, Bluetooth, GPS
- 120 VAC or solar power
- Internal backup battery with recharge and automatic battery load test
- Free iPhone and Android apps
- Complete cloud-based historian and interface
- Automated pump calculations for runtime, cycles, amps, and GPM by simply installing one of the supplied amp probes onto up to 4 pumps
- OmniSite SuperView™ dashboard – plot well and pump sound vs. pumping rate for advanced predictive maintenance
- 100% over the air programmable
- Peer-to-peer remote, automated pump control
- OPC-UA interface to 3rd party SCADA systems
- OmniAdvantage extended warranty options

Installation / What Insights You Get

Mount your WINGs device, install a single amp probe for each pump, install your level probe and camera into the well, and you get all this:

- Pump cycles
- Pump runtime
- Pump GPM
- Well level
- Level alarms
- Well camera view
- Optional additional camera for above ground surveillance
- Total station flow
- Pump amps
- Notifications by email, text, voice
- History of all dated alarms
- Phone apps
- Seamless WiFi or 4G cellular communication
- GPS location
- Cloud cyber secure website – no programming experience needed
- 24/7 support

GuardDog WEBBROWSER   MOBILEAPP

Our GuardDog software provides a powerful and intuitive interface which allows users to manage their systems, easily view alarms, and analyze trends for critical machinery & equipment.

The software is 100% web-based and is included with every OmniSite device.

We've been in the water and wastewater monitoring industry for over 25 years. Our expertise in knowing what our customers need is demonstrated through the functions and features of GuardDog, a platform that has set the industry standard for delivering important information when you need it.

Machinery and Process Management On-The-Go

GuardDog 2.0 is a companion app to our web-based interface. It allows access to equipment status from any one of OmniSite's alarm monitors. Using this app in combination with the GuardDog web interface makes it possible to monitor your equipment right from your pocket.

Take Spike off the Leash

Packed with Features

With the GuardDog 2.0 Mobile App you can:
· Know the current condition of your equipment and processes
· Acknowledge current alarms
· Track GPMs, Runtimes, and other station trends with instantly generated reports
· Enable Map View to see the exact location of your equipment
· Send Remote Commands
· Create and edit Callout Lists

Do this and more from anywhere by using your mobile device.

Become an **OmniSite Value Added Reseller** and Rise Above Your Competition

Value Added Reseller Benefits Include:

· Add surveillance cameras, with audio pickup, to your existing, and new, PLC control panels to expand your offering to your customers

· Become a part of the OmniSite National Wastewater Microbe Database, and provide customer insights not previously possible, and help to keep our waterways pollution free

· Add peer-to-peer control to any project using OmniSite's convenient cellular communications, and easy-to-use control table, eliminating complex programming, private radio studies, and path issues

· Have an OmniSite co-branded, private cloud, with your name, and "Powered by OmniSite"

· Get a custom dashboard to see and manage all your OmniSite integrated projects, and keep your customers up-to-date with 100% over-the-air updates

· Rapidly create a cloud interface for your customer's PLC data, and trigger camera video and audio from any PLC variable to "validate events"

· Use OmniSite's convenient OPC-UA interface to mirror OmniSite's data to your favorite SCADA package, and create redundant back-up clouds for your customers, raising you above your competition

· Use the WINGs onboard I/O, and cameras, in a standalone mode for customers on a small budget, or as back-up I/O that continues to work even if AC power is lost, or if you lose your PLC data connection

· Use the OmniAdvantage emergency stock plan to keep stock on your customer's shelf, and minimize downtime on critical systems

· Create an advanced SCADA solution even for customers on a small budget

· Free product and GuardDog training

· Free tech support

For more information on the Value Added Reseller program reach out to sales@omnisite.com.

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Your Local Sales Representative is

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