

Steps to Building Your System

Commission a Radio Survey



Determine the best locations, paths, elevations, and frequencies for all sites in your network.

Choose a Controller



Select the controller that provides the power and features you need.

Additional Surge Protection



Additional signal surge protection is available to augment the standard RF surge protection.

Choose a Communication Type



UHF, VHF, 928/952 mHz MAS, and spread spectrum are options available.

2240 Rocky Ridge Road
Birmingham, Alabama 35216
800.536.2525; Fax: 205.824.0439
www.reverecontrol.com
revere@reverecontrol.com

Choose an Enclosure



Multiple NEMA-rated enclosure types are available to meet any application requirement.

Choose Additional I/O



Match the I/O quantity and type to each specific application.

Choose Additional Options



Pick an interface device.

Choose Accessories



Add the finishing touch to make your system the perfect match to your situation.



ScalableSCADA®

Proprietary SCADA Systems Have You All Tied Up?

Break Free...



...With One of Our Scalable Wireless Systems That Grows With You

Proprietary Systems Can be Overly Constraining

Making Growth Difficult and Expensive

SCADA systems today come in many brands, styles, and capabilities. There are PLC-based systems, DCS-based systems, non-intelligent types, and others. However, the more important criteria for you to consider is whether or not the type you're considering is proprietary.

Proprietary systems use communication protocols that are unique, meaning they won't work with standard, open architecture protocols. Also, they are typically supplied and supported by a single vendor. This "locks" you in for replacement, service, and expansion to a vendor that you may find unsuitable later on. While proprietary systems may be less expensive than open protocol systems for initial purchase, they usually end up being much more expensive when you need to add features or expand your system.

Open protocol systems give you a choice of vendors, allowing you to find one whose performance is satisfactory. They also give you the opportunity to buy equipment direct from suppliers, thus maintaining independence with the product you own. Getting the best long-term value for your SCADA dollars requires you to make good decisions at the outset of your system's implementation.

Here are some questions that you should ask before selecting your system:

- ■ ■ **Does this system use a standard communication protocol that is used by multiple manufacturers?**
- ■ ■ **Can this system communicate directly with other pieces of equipment that uses the same protocol?**
- ■ ■ **Does my system speak more than one protocol?**
- ■ ■ **Is it easy to add on new units or expand existing units?**
- ■ ■ **Am I tied to one vendor?**
- ■ ■ **Can I purchase parts either from the original vendor or from others?**
- ■ ■ **Can other system integrators service my equipment?**
- ■ ■ **Will I get copies of the programs from my system integrator?**
- ■ ■ **What happens if I become dissatisfied with the original vendor?**



Choices

If the answers you're getting to these questions leave you feeling uncomfortable, maybe you need to consider your choices. ScalableSCADA™ from Revere Control Systems is one of those choices. The system is comprised of "off-the-shelf," non-proprietary products that make up a standard RTU line, complete with numerous choices that let you fit specific needs.

You may choose which type of communication protocol you need, radio, modem, or direct line (port). Several basic configurations give you a selection of starting points for your system, with options that include radio type, amount of I/O, surge protection, battery backup, and more.

The standard enclosure is a NEMA 4X fiberglass, but there are also options for NEMA 12 and NEMA 4X stainless steel. These systems can have added options such as I/O, modems, cellular modems, and keypad data terminals. Standard features include built-in serial and Ethernet ports, built-in WebPages, built-in data logging with FTP file transfer to your server.

If you choose a built-in modem, you may also program the unit to do alarm dialing and annunciation of alarms along with the ability to control equipment via touch tone telephone; these are simply software options. If you are using Ethernet as your communications mode, you can email an alarm, send log files, and use WebPages.

This broad array of choices means that you can get your initial system installed with the features you need, and that you can always expand or enhance your system as you grow and needs change. You are no longer constrained by proprietary equipment with designed-in limitations that restrict your growth, or force you into expensive solutions in order to accommodate growth.

Where else can you get as much for your SCADA dollar?

■ ■ ■ Comprehensive Support-ISA-CCST Certified



We offer a variety of support plans from on-call hourly service to a contract plan that provides 24/7 assistance with any SCADA problem, including emergency parts replacement. We also let you design your own plan, adapting our plans to fit your unique circumstances. This helps you *maximize the value of your maintenance dollar*. Plans can be designed to include the following:

- On-site service
- Telephone troubleshooting & support
- Software maintenance and upgrades
- Spare parts management
- Data management & backup
- Remote access support
- Training of O&M personnel
- Grounding and power studies
- Report design and development
- Additions and upgrades to equipment
- Web-based access to software, drawings, and O&M manuals



■ ■ ■ Certified Member of CSIA



Being a Certified Member of The Control and Information Systems Integrators Association assures our customers that our business and service practices satisfy the standards of *quality* established for best practices in the systems integration industry. This is achieved through an independent audit that addresses more than 200 criteria ranging from business development to billing. We believe strongly in raising the bar for the performance of our industry, and being a Certified Member of CSIA is one way we support that goal.