



# METALS

PROFESSIONAL EXPERIENCED CERTIFIED



*At Revere, we work as a value-added partner for your engineering staff, providing the additional manpower you need for complete projects or to complement your staff.*

### **Bringing control to the metals industry**

*Revere gives you control over your process, whether you produce metals, fabricate metals or make finished goods from metals.*

When automating your processes, you face a number of unique challenges for your control systems. Heat. Vibration. Corrosive chemicals. At Revere, we have many years of experience working with your specific challenges. We understand the impact that shutdowns and startups have on your profitability, and we know how to help overcome the problems that cause them.

At Revere, we work as a value-added partner for your engineering staff, providing the additional manpower you need to complete projects or to complement your staff. And we're able to provide both electrical and mechanical expertise for "design/build and install" projects.

### **The experience to help you overcome any problem**

Being from Birmingham, Alabama, our beginnings are rooted deeply in the metals industry. After more than 30 years working with metals companies, our skills cover virtually every aspect of mill operations. As a result, there are many areas where we may be of help, including:

- Furnace additions or upgrades
- Holding furnace additions
- Adding/retrofitting controls (*castor, etc.*)
- Adding molding capacity
- Integrating plant floor information into management and scheduling systems
- Improving cleaning room (or other area) work flow and reporting
- Overall equipment effectiveness (OEE)
- More effective trouble shooting of electronic faults
- Relief maintenance and on-site support for controls

### **The skills to improve your operations**

We are a full-service controls, instrumentation, information, and electrical integrator, including IT automation, radio communications, service, HMI and PLC programming; we have the capabilities to perform full installations. We have expertise in all major protocols and speak multiple programming languages. We fully integrate plant-wide information systems such as Wonderware, Intellution, Citect, and RSVIEW. We can implement MES to help you more effectively and efficiently execute manufacturing operations.



### **The independence to provide the right solution at the right price**

As an independent integrator, we work with all major manufacturers. This allows us to determine the best cost-performance fit for your unique situation and to implement an effective solution that delivers high value, not just a low-price system. Our commitment is to you and your solution, not to selling a particular product.

But we also have strong relationships with major vendors, and we are recognized by these vendors through a variety of certification, Solution Provider, and System Integrator programs. These relationships, coupled with our volume purchasing, yield substantial discounts that we can pass on to you, contributing to the value we deliver.

### **Large scale panel and fabrication facility**

Visitors to our facility are usually amazed by its size and the volume of production we can attain without impacting the superior quality of work or the high on-time delivery rate. We accomplish this with a combination of infrastructure, systems, and processes that allow the production group to function very efficiently, from drawing generation and parts delivery to testing and shipping. As a result, we're able to handle the largest jobs, while also effectively handling small projects, with the same attention to detail and quality.

### **Your "special" request is routine**

We thrive on the out-of-the-ordinary control system challenges presented by the metals industry and consistently perform well on them. Our UL 698A and UL 698B panel shop certifications allow us to provide explosion-proof, pressurized, and non-incindive control panels for hazardous locations. We understand that most customers have unique circumstances and situations that we take in stride as just a normal part of providing customer satisfaction.

### **3D graphics capabilities**

Working with digital photography and state-of-the-art rendering software, we can provide operators with recognizable 3D images of equipment for use in their HMI programs. Being able to see actual equipment and flow, rotation, etc. allows for greater recognition and understanding of how your equipment will perform. The 3D images can be incorporated into all major HMI applications, including RSView, Wonderware, Intellution, and Citect.

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## Power distribution

Our experience with switchgear is extensive and covers 600 V, 5 kV, and 15 kV systems. We have deep expertise with bus system technology and have completed many projects involving additions to existing equipment. We also have extensive experience with relay panels and cabinet.

## Motor control centers

We build motor control centers of all sizes. Because we are an independent systems integrator, we have the ability to mix brands of components to match your controls to your existing lineups and service capabilities. Companies aligned with a single brand cannot meet such requests.

## We'll test everything. Thoroughly.

Every system we produce is put through a sophisticated simulation test utilizing panels of switches, potentiometers, PLCs, and special programs prior to leaving our facility. This process allows us to verify the design, assembly, and programming for each panel in a system.

This helps us save expensive, on-site hours during installation and startup. Integrators who do only point-to-point testing may deliver a less expensive panel, but the total installed cost for such products often far exceeds the value-added systems we deliver for our clients. We also provide comprehensive documentation to support the long-term maintenance of your systems.

## Access your data instantly

With our Web-based project database, all of your job data is at your fingertips 24/7. This password-protected system allows you to access the following project-related files:

- Shipping Schedules
- Proposal & Scope
- Purchase Order T&Cs
- Invoices & Shipping Tickets
- Drawings (AutoCAD) A
- Programs: PLC, HMI, etc.
- O&M Manuals
- Panel Photographs
- Service Reports
- Correspondence

Additionally, the service gives you direct e-mail access to engineers and service personnel assigned to your projects, while providing an area where our personnel can leave postings for you regarding your project's progress.

## National support

We are a founding member of The Automation Alliance Group, an organization of independent systems integrators with like-minded beliefs in quality, integrity and customer satisfaction.

This alliance allows us to offer the combined resources of our geographically dispersed fellow members to meet support needs that extend beyond our regional presence. So no matter where your plant is, we can provide support that is consistent in performance with our own direct support. Our breadth of metals industry controls experience and our full-service integration capabilities are available to you. Let us show you true value-added integration on your next automation or control system project.



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