

Solutions



Advantage Industrial Automation provides OEMs, industrial end-users, and systems integrators by adding value to the leading products in factory automation and controls.



**Increase
Productivity**



**Ensure
Safety**

We help our customers improve productivity & quality, reduce downtime & waste, and increase efficiency & safety. Staying on the cutting edge of the latest advances in automation and control products is our mission at Advantage, and your advantage in **enterprise automation.**

Increase productivity in your manufacturing operations with manageable activities and easily accessible plant floor data to respond to changing conditions, improve efficiency, and reduce costs.

Historically, the data used in operating manufacturing equipment has been within the domain of the PLC and Controls Engineer, and not readily accessible to Management. Access to the data has required special proprietary knowledge about where and how that data was stored and knowledge of the methods required to import or export the data.

Now, plant floor data is easily accessible and can be used to increase productivity and efficiency in your manufacturing operations.

Advantage Industrial Automation brings the technologies of the Internet to the factory floor and into your view to give you:

- Improved access to real-time plant information and Key Performance Indicators
- Protection of existing investment in capital equipment
- Lower life cycle costs of automation investments
- Lower implementation costs and operating expense
- Improved productivity and efficiency

Remain safe with ergonomic and effective guarding systems that don't interfere with the work process.

The fast moving demands of automation have changed the requirements of machinery guarding. In the past the guarding systems that were available were more often than not a hindrance to the production process and were removed.

Today increasing numbers of accidents are statistics of the past due to reliable ergonomic safe guarding systems. Consequently, Advantage offers guarding systems that are ergonomic and effective—and unobtrusive to the work process.

Advantage can help you:

- Identify zones to be guarded
- Define safety functions to be performed, including operator detection
- Conform your equipment to the desired safety compliance level
- Investigate the use of electromechanical interlocks and opto-electronic sensors
- Increase asset utilization and Overall Equipment Effectiveness

Be productive, but remain safe. That's the bottom line.



This is only a small sampling of the solutions, prod



Manage Energy

Monitor, manage and control your energy costs resulting in a substantial return on investment.

Monitoring

Electronic interface with electric, gas, water and other meters as well as providing smart devices

Communication

Local, remote and even wireless networking of data collectors over Ethernet, TCP/IP and industrial hardened open architecture networks

Software

Easy to set up programs configured to your needs providing functional graphics and analysis tools

Analysis & Simulation

Bill and tariff, Power Factor, Mechanical, Harmonics, Loading, Sags, Transients, Wiring and Grounding, Remote Electronics, Trends, Facility comparisons

Design

Design, drawings, start-up and more from recognized world leading manufacturers of equipment

Look to Advantage for the complete solution, including project management and integration.



Reduce Downtime

Strengthen your Overall Equipment Efficiency (OEE), maximize production capability and significantly improve your bottom line.

Ask yourself: how many times was your manufacturing line down last month? How much revenue did you lose last year because of equipment and line downtime? Which lines are causing problems and why?

Studies show reducing downtime by just 1 hour per day can impact the top line by 10s and even 100s of thousands of dollars per month!

Advantage Industrial Automation gives you the power to increase your Overall Equipment Efficiency (OEE), maximize production capability, and significantly improve your bottom line by helping you:

- Track downtime
- Identify and reduce costly downtime events
- Find problem areas via root cause analysis
- Identify under-performing production areas
- Deliver reports when and where they are needed
- Improve production yields
- Increase asset utilization and Overall Equipment Effectiveness
- Improve your bottom line



Improve Quality

Increase the quality of your finished goods with decisions made from comprehensive data analysis for process improvement.

Quality is not like the weather: you can talk about it and you can do something about it. So how can you and your manufacturing personnel:

- Ensure products are built to expected standards?
- Manage rapidly changing production and process data?
- Track and measure out-of-tolerance and scrap automatically?

As with many automation solutions, improving quality starts with data from:

- Process variables
- On-line quality measurements
- Off-line quality measurements
- Quality lab database archives
- Customer complaint database archives

Advantage Industrial Automation has the quality improvement solutions for:

- Operators
- Production and Engineering
- Management

“Why does Advantage Industrial Automation supply software to us? Responsiveness, track record, working relationships.”

– *IT Development Analysts
Pharmaceutical*

“Proactive, dedicated service, fair prices are reasons Advantage Industrial Automation is our long-term partner.”

– *Project Engineer
Concrete Supplier*

“Advantage Industrial’s expertise and support help us rest easy during major coiling system redesign.”

– *Manufacturing Engineer
Mattress Manufacturer*

To read more of what our customers say, go to www.advantageind.com.



CORPORATE HEADQUARTERS/GEORGIA BRANCH

4775 River Green Parkway Duluth, GA 30096 770.447.4474

KENTUCKY BRANCH

2307 River Road Louisville, KY 40206 502.810.9144

Additional locations in **ALABAMA, NORTH CAROLINA, SOUTH CAROLINA** and **TENNESSEE.**

See our website for contact information.

