

# What we provide

## Service:

APS troubleshooting happens remotely via an internet connection. Our automation narrows the problem to provide a clear solution, often in the time taken for an electrician to arrive. Additionally, our knowledge and service provided during and after the sale show that we are committed to our customers.

## Training:

Operating our system is user-friendly and does not require intense training. The same theme and functionality is maintained among all facilities, allowing any trained personnel to operate the system at any location.

## Expansion:

Instead of having hard-wired buttons and switches, we implement these features within the software itself. Therefore, the electrician has minimal wiring from the automation system to the Motor Control Center, eliminating the confusion and complexity.

See what our clients are saying about us

"The team at APS did a fantastic job designing and building the control system for our grain handling system.

From our very first meeting, they understood what it would take to do the things we wanted and challenged us to bring more automation into our system.

Their knowledge and experience brought many design ideas that both helped increase our productivity as well as protect our system from failure. Service after the sale has been nothing short of amazing.

They are always quick to help during problems and proactively contact us to see if we need support from them...Without a doubt, they played a major role in making our grain project a success."

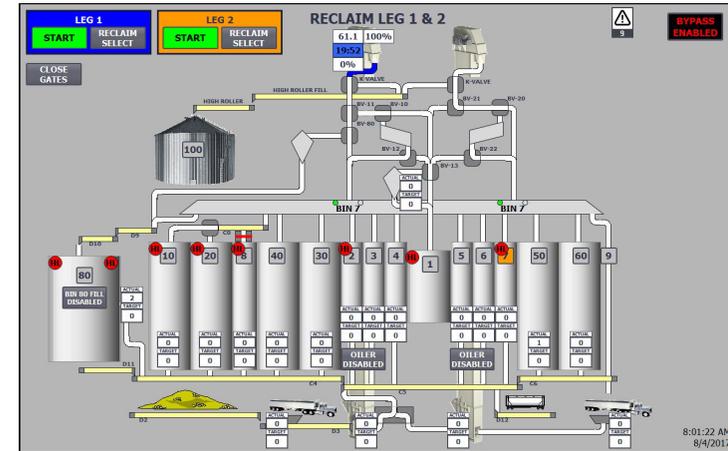
- Chris, Mt. Vernon, SD



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# Why Automation?

We are a Systems Integrator established in providing a complete custom solution in automation, motor controls, grain conditioning and hazardous monitoring equipment for electrical contractors, manufacturers, and end users.

# Why Automation?

Business owners and operators considering automation must contemplate several factors including impact on productivity, labor costs, and maintenance time. Running a business is stressful, and making decisions they see as risky is uncomfortable.

Still, if leaders allow their process to fall behind, the competition can utilize advancing technology to overtake market share.

Automation takes the guess work out of operating and managing your system. We use our experience and knowledge to design an interface that any operator can run with confidence. Our custom programs ensure the right procedures are utilized to accomplish your organization's goals. We help eliminate operator error through the programming.

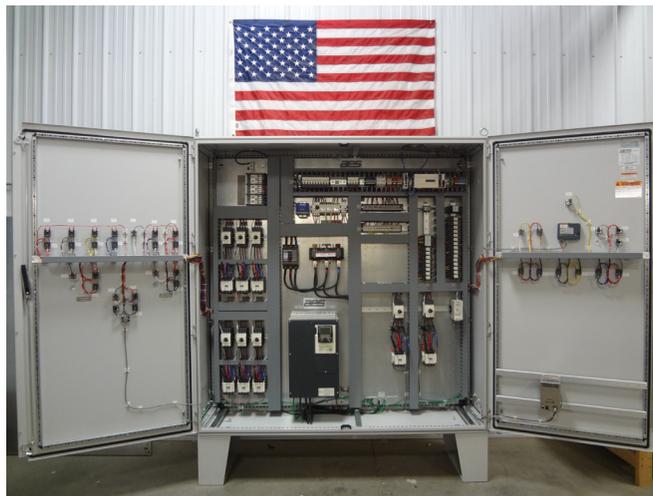
Customized to your facility, automation offers companies unmatched opportunities for efficiency and safety. Using Human Machine Interface (HMI) screens and Programmable Logic Controllers (PLCs) provide the operator real-time information, creating an adaptable and expandable solution for fast, effective processes.

## Blending:

Without automation, operations require multiple people running reclaim gates to grapple with blending correctly without overloading the system. Our system eliminates that challenge. One operator and the correct equipment can do the work required at a consistent rate while operating within the equipment's tolerance.

## Cross-Contamination:

Today's strict FSMA guidelines demand attention to cross-contamination. "Source" and "Destination" automation simplifies this process. The operator fills in the available "commodity assignments" per bin/silo, and the automation process takes care of the interlocking within the program to avoid cross-contamination of commodities.



## Productivity:

Automation controls the flow accordingly and warns the operator of any issues. This allows for scheduled downtime and increased productivity.

## Troubleshooting:

Our system monitors motor amperages and all field safety devices. When the amperage increases or a safety switch gets hit, the system safely shuts down equipment. Then, it reports to the operator when and what occurred and why the system shutdown or locked out a process. The operator, then, can quickly assess the situation and determine the necessary protocol.

