

Control Systems - Agriculture

According to IL Dept of Agriculture, in the last 50 years the average farm has more than doubled in size while the number of farm operators has declined by over half. The ability to operate and manage larger farms is directly attributed to more sophisticated technology that provides many aspects of this industry to be less labor intensive.*



Given the demand for continual growth in production, investing in efficiencies such as labor-savings will continue to be a need for the agriculture industry.

Springfield Electric offers more than products. We have a team of engineers and specialists who not only live in the Midwest but also understand various agricultural needs from product flow to monitoring your processes.

*IL Dept of Agriculture: <https://www2.illinois.gov/sites/agr/About/Pages/Facts-About-Illinois-Agriculture.aspx#h6>

Services:

DESIGN - product specification and design, AutoCAD wire schematics and layouts, Control Panel building

PROGRAMMING - device integration (PLCs, HMIs, VFDs), managed network switches and remote connectivity

PROJECT MANAGEMENT - coordinate and communicate with your installer

COMMISSIONING - start up and training support

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Control Systems

Our engineers offer services from the design of equipment controls and control panel building to programming through on-site implementation. We are flexible in our scope of work. We can assist in projects for a small piece of your operations or scaled projects as large as your entire facility.

Specification includes products that will communicate across an operation, providing real-time data and control. The data collection can be used for quality control and preventive maintenance.



CONVEYING - we use networkable variable frequency drives (VFDs) for precise control (as an example, speed & torque) of your motors and to receive feedback on performance. VFDs will minimize the starting in-rush which will assist in energy conservation, reducing mechanical wear and tear.

PRODUCT FLOW - our systems can be configured to provide automated or manual control of product movement through your operation.

LEVEL INDICATION - our systems provide a visual representation of the product level within bins, tanks, or storage units. This information can be used to provide accurate product management.

RECIPES - system configurations can be created and saved to be utilized or repeated as needed. User-friendly interfaces are developed in order to provide ease of operation.

ALARMING - customizable alarms are created notifying the user of potential or existing situations which need addressed. A time-stamped history is available to assist in diagnostics.

Contact our application engineers and technical specialists: Automation@springfieldelectric.com

Springfield Electric's Automation/Technical Solutions Team evolved over 30 years ago and continues to adapt and change to fit our customers' needs. The team has over 130 years of industry experience collectively. The team recently added an OSHA 30 and B11 LMSS certification to round out the credentials. The team takes pride in precise execution of a well-defined project.



Locations



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