

ACSI Company Profile

As an integrator of information and control systems solutions, ACSI engineers in both the United States and Europe are able to provide customers with quality technical engineering & system design, factory acceptance, installation supervision, commissioning services and training. With our global presence increasing rapidly, ACSI currently services over 40 customers located in 26 different countries. As a company, we have engineered over 800 successful installations worldwide, including more than 100 Batching projects and over 500 Melter applications.



Industries we serve:

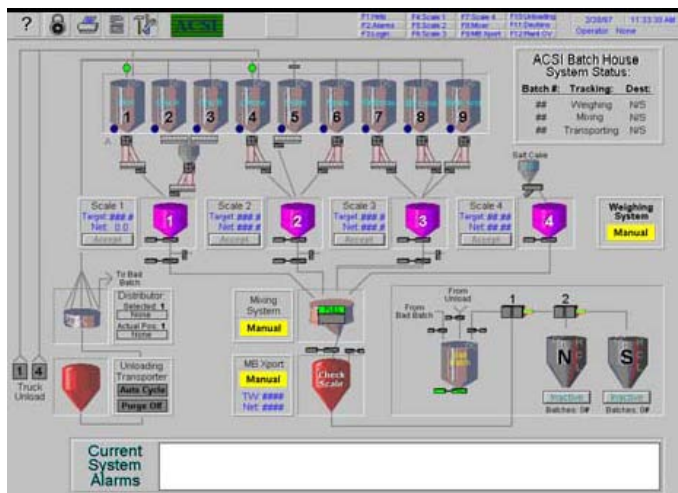
- Glass
- Food
- Steel
- Chemical
- Refractory
- Mining/Aggregates

Types of solutions:

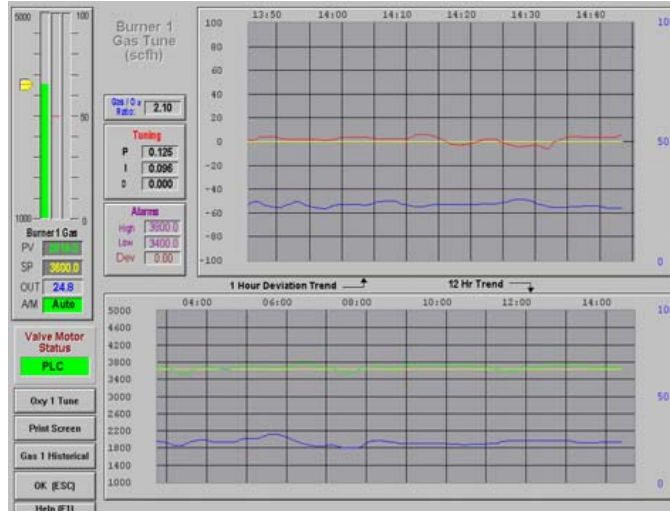
- Temperature Control
- DCS replacement
- Packaging/Sortation
- Batch Control
- Vision/Inspection
- Production Tracking

ACSI services customers worldwide with direct visits and also using latest internet technology via VPN (Virtual Private Network) over broadband. This enables us to provide a 24 hrs per day support when necessary.

RSC (Real-time Statistical Control) is based on the application of statistics to real-time process control. This strategy is successful in long lag time multivariable applications in which traditional methods (PID) have failed.



ACSI is not a traditional systems integrator. ACSI develops control algorithms that are applied in situations where traditional control strategies have failed.



Examples of these are:

Batching

The ACSI statistical pre-act adjustment algorithm analyzes weighing performance in batching applications. The strategy makes automatic adjustments to constantly improve weighing performance while maximizing product throughput.



Temperature Control

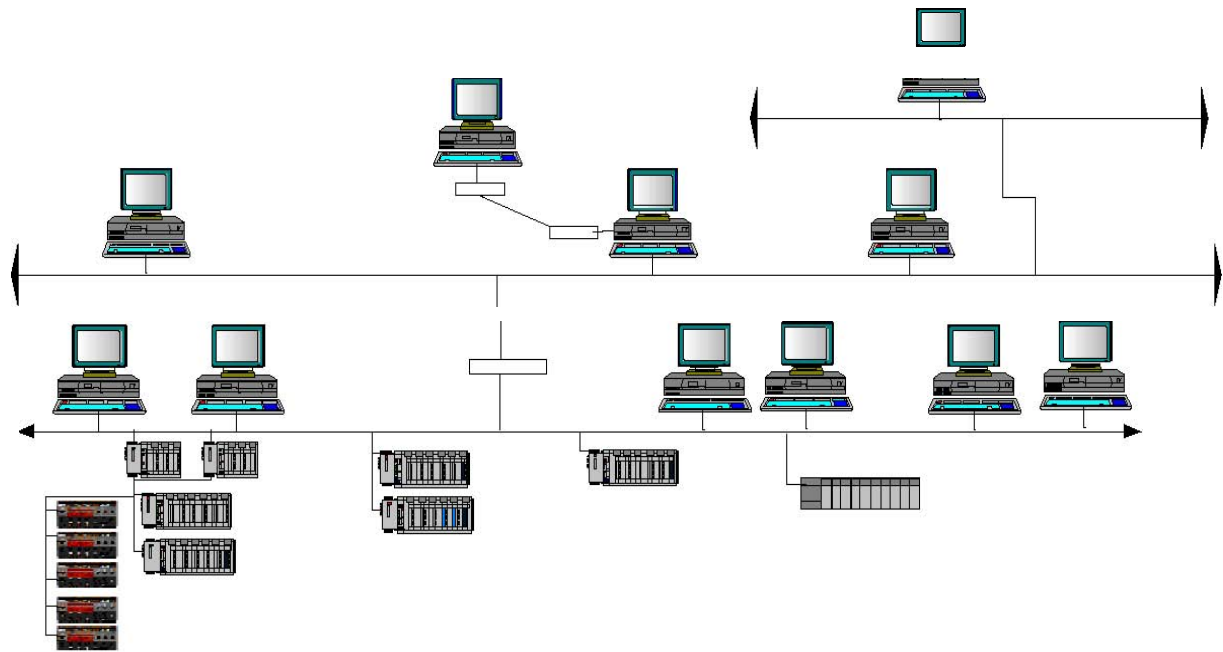
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PID constantly make changes in response to differences between the set point and process variable. The amount of this response is based on the tuning of the control loop. Many applications react to process changes very slowly and at varying speeds depending on the production rates. In these applications tuning a PID controller can be very difficult or impossible.

Unlike PID, RSC statistically determines whether the process is out of control prior to taking action. When a control adjustment is required, the system makes a single significant change and then analyzes the response. Therefore RSC eliminates the problem of process cycling .

ACSI has expertise in the application of programmable controllers, hybrid controllers, and distributed control systems. This system knowledge extends through the information systems in the integration of SQL servers and the collection, analysis, and distribution of data to business systems.



Process and Information Systems Knowledge

**Allen Bradley Control Logix; Modicon and Quantum; Siemens;
Texas Instruments; Honeywell Plantscape;
General Electric; Intellution; Wonderware; InTouch; Allen Bradley
RSView; CiTect; Canary Labs; Applied Statistics In SQL (Industrial
SQL Server); SQL Server database; design and implementation of
Brainwave MBC.**

ACSI

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