



**LOGICAL
INNOVATIONS**
Automation. Security. Integration.

Case Study

100 Million Gallon per year ethanol facility



Client

A grass roots 100MGPY ethanol facility located in Clatskanie, Oregon.

The Challenge

Logical Innovations, Inc. was contracted to provide technical services and products to automate ethanol production equipment and the associated utilities that support the process.

These processes included:

- Boiler Monitoring System
- Fermentation
- Centrifuge
- Tank Monitoring System
- Dehydration, Distillation and Evaporation
- Dried Distillers Grains with Soluble
- Grain Milling and Receiving
- Storage

The Solution

As an authorized solutions partner with Siemens Energy and Automation, Logical Innovations was uniquely qualified to provide an overall turnkey controls systems solution for the customer, including the following:

- Siemens hardware design and procurement
- Siemens DCS application software configuration
- The Siemens PCS7 system was configured with approximately 2000 I/O points with 1 engineering station, redundant operator servers, 1 web server and 7 operator client stations
- 47 Panels were built in our Richmond facility and delivered to site
- Custom function block library

About LI

Logical Innovations is a leader in process automation, technology integration and security solutions. We provide turn-key solutions that help your business increase productivity, improve efficiency and ultimately provide you with better information so you can make more accurate business decisions.

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