

Iowa Renewable Energy Biodiesel Facility

Case Study: **Iowa Renewable Energy Biodiesel Facility** Market: **Industrial** Location: **Washington, IA**

“This job came in on budget and ahead of schedule largely due to the diligence and accountability shown by ACI Mechanical. The proof of their attention to detail was in the flawless startup of the plant in early July. IRE was making biodiesel at full capacity while meeting all specifications from day one.”

- Nicholas Brancale, Project Engineer



The Iowa Renewable Energy (IRE) Biodiesel Facility in Washington, IA turned to ACI Mechanical as a mechanical systems installation partner for their fifth plant in Iowa that produces biodiesel from soy oil and other natural oils. The production facility is set on a 486,000 sq. ft. building site. ACI received a \$5,900,000 contract to complete the plumbing, HVAC and mechanical piping systems within eight months.

A Closer Look...

When Iowa Renewable Energy needed a mechanical systems partner for their biodiesel production plant in Washington, IA, they chose ACI Mechanical, a Comfort Systems USA company. The CSUSA team:

- Used pre-fabricated assemblies that accelerated the installation schedule
- Kept pace with a very tight eight month construction schedule
- Managed several piping design changes in the process

Solutions

To meet the aggressive schedule, ACI began pre-fabricating pipe spools and assemblies in their production shop. This allowed them to work ahead and complete portions of the work prior to site mobilization. A major portion of this project was the exterior piping.

The ACI crew worked through the winter and completed more than 50,000 man hours on the project. This IRE project was the fifth biodiesel plant to be completed in Iowa and, being part of a constantly evolving industry, several design changes in the process piping had to be made throughout the course of the project. The team maintained constant diligence and accountability and managed and coordinated each change to meet the project demands.

Contact us to determine how we can service your business.

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