

Ethanol Production Facility

Network Administration and IT Services

- ✓ Network Administration
- ✓ IT Services
- ✓ Help Desk / Support
- ✓ Plant and Office Environment Integration

Golden Triangle Energy
Craig, MO

Roger Hill
General Manager
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We always get a very timely response whenever we contact Bachelor Controls about an IT need. They are good at troubleshooting problems, working with in-house IT resources, and/or being a go-between with our IT vendors. I never hesitate to call them with any of our IT issues.

Greta Drewes
Administration



Bachelor Controls, Inc.

Systems Integration for Manufacturing

Project Summary

Located in northwest Missouri and opened in 2001, Golden Triangle Energy Cooperative (GTEC) processes 20,000 bushels of corn daily (6 -7 million bushels yearly) to produce ~55,000 gallons of ethanol daily (20 million gallons yearly). GTEC produces quality livestock feed as a co-product of the ethanol process. With two distinct business areas, the organization's IT infrastructure must be capable of handling the demands of both the administrative-focused office environment, as well as the controls-rich process production environment.



Network and IT Services

Bachelor Controls is responsible for network and IT support services, including

- Network documentation
- Network mapping and wiring
- Network troubleshooting and remediation
- Backup / Disaster recovery and planning
- Security:
 - Server lockdown, access control, antivirus
- Server consolidation, selection and configuration
- RAID design, configuration, and implementation
- MS Windows implementation and integration
- Firewalls/Proxy Servers
- Internet content filtering
- Remote-access configuration and support
- Software installation
- Help Desk support
- Third-party facilitation and software support

Bachelor Controls' IT specialists are professional and understand how technology systems and equipment integrate into a manufacturing facility. BCI ensures that our IT systems excel in both our office and production environments.

Additional Info

Ethanol is a homegrown, renewable fuel that results in job creation, increased farm income, improved air quality, and greater energy independence by reducing imports of foreign oil. Most fuel ethanol produced in the U.S. is derived from corn. A bushel of corn yields ~2.7 gallons of fuel-grade ethanol, which can be blended with gasoline (5-20% ethanol) and sold at the pump for about the same price as unleaded regular. E85 fuel (85% ethanol) costs ~10-20 cents per gallon less than typical unleaded gasoline prices.

