



CARGILL

Breaker Retrofit

Client: Cargill Corn Milling
Location: Blair, NE
Market(s) Served: Renewable fuels, agriculture

- Engineering
- Project Management

PROFILE

EAD was trusted with the unique assignment of replacing a 4,000-amp fused disconnect with a circuit breaker to significantly reduce an electrical hazard. The remotely controlled circuit breaker was custom designed and fabricated by EAD to ensure fit into the location of the existing fused disconnect. Execution was complicated by the necessity for precise measurements. Installation of the circuit breaker was coordinated with the plant and managed by EAD.

SERVICES

In addition to providing greater personnel safety due to remote operation, the breaker reduced the reaction time to clear an electrical fault by more than 13 times as compared to the existing disconnect. The incident energy level in the event of an arc flash was reduced by more than 45 times. Better coordination and quicker response to faults would reduce damage to downstream equipment in instances of major electrical fault.

3635 South 149th Street
Omaha, Nebraska 68144
Phone: 402.884.8650
www.eadcorporate.com