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Application Case Study: Custom Retrofit of Power Plant Burner Tilts

A large power plant contacted Genesis Systems wanting to replace seven of their burner tilts. The existing units were Jordan electric drives which were failing due to high temperatures near the boiler wall. The customer asked Genesis Systems to deliver and install seven units within 7-10 days because they were at the backend of an outage. After checking availability from known vendors and finding nothing available, we designed and built our own damper drives. These were pneumatic cylinders with remote mount electro-pneumatic positioners. The seven tilts were delivered in 7 days and were installed during the next 3 days. During the system checkout, it was learned that we had to limit the travel of the drives to a new angle. We made new hardware and installed all 7 within 24 hours. The customer was pleased and the unit was started on time.

This is another example how Genesis Systems combines years of valve automation experience with a willingness to do whatever it takes in order to exceed our customer's valve and valve automation requirements and expectations.

If you would like additional information on this application or any of our other specialty valve or valve automation packages, please contact us at (972) 578-5105 or sales@callgenesis.com.