

## TKS Press DC Drive Repower

THE ATLANTA JOURNAL-CONSTITUTION, ATLANTA, GA

1 TKS Press

12 - 75HP DC Drives

1 Supervisor with backup

### TKS Drives & Supervisor Replacement

Drives Before



Drives After



Supervisor Before



Supervisor After



The Atlanta Journal-Constitution sought a reliable updated solution for their TKS presses. They turned to EDG who offered an industry-proven solution that provided a simplified package with accountability for press stops and faults.

“The EDG solution rejuvenates a 30 year old press with current technology to provide the AJC the reliability they require to deliver their papers on time.” stated Dave Bast, Business Development for EDG.

AJC’s new drive backpanels were retrofitted with new ABB DCS800 drives and ancillary parts to power each of the 12 existing DC motors on one of the presses. The lineshaft brakes were disabled as press stopping is achieved via the regenerative mode on the new drives making stop times consistent irrespective of number of units clutched and number of drives/motors enabled. Load share and motor field adjustments are a thing of the past. Wear and tear on the driveline, clutches and bearings are significantly reduced with the improved speed regulation, resultant of dynamic tuning of the machine.

A new Supervisory controller backpanel with PLC technology was installed to replace the discrete boards (MRH, OPU, etc.) and relays. AJC went with a truly redundant Supervisory PLC; complete rack, processor, power supply and I/O cards. A simple flick of a switch brings the redundant Supervisor online to minimize downtime and ease troubleshooting.