



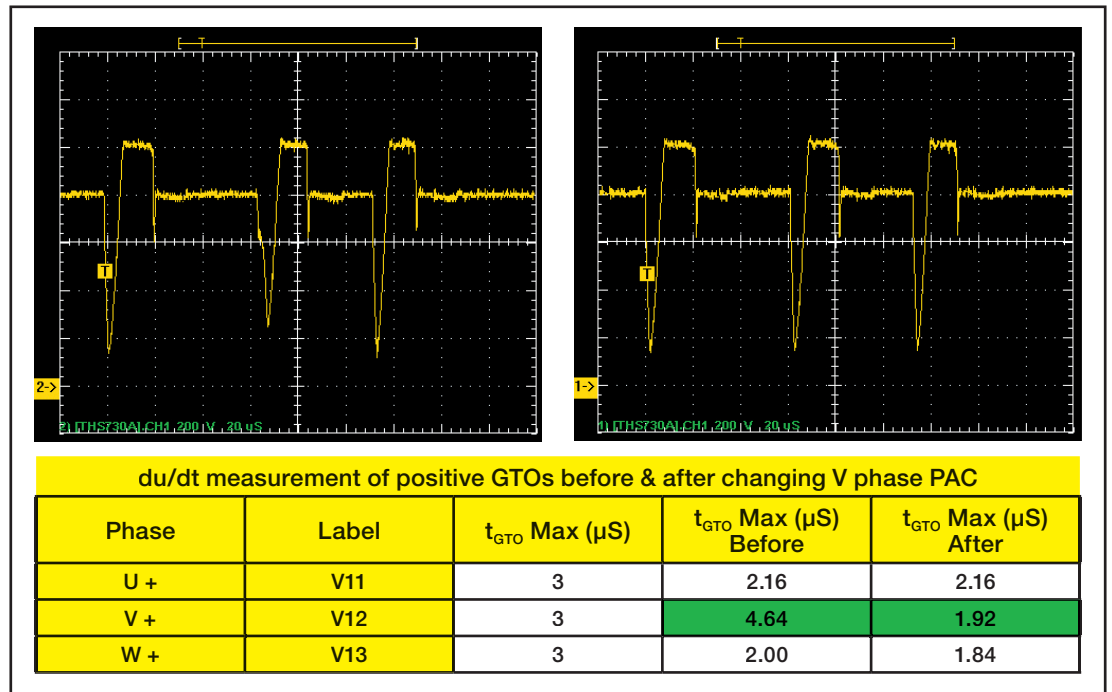
Results-Driven Automation



Performance Services

Domtar Saves Thousands in Costly Emergency Repairs by Updating Existing Drives with ABB

When Domtar, Inc. needed a drives system upgrade on their paper machines, they selected ABB for a cost effective, more efficient solution enabling benefits including: 50% cost savings by updating drive modules rather than replacing the entire drive system, extended reliable life time of the drives more than 7 years, and decreased production losses with updated, reliable ABB drive modules.



When ABB customer Domtar, Inc. needed a drives system upgrade on their paper machines, they turned to ABB for a cost effective, more efficient solution.

Benefits:

- 50% cost savings by updating drive modules rather than replacing the entire drive system
- Extended the reliable life time of the drives by more than 7 years
- Decreased production losses with updated, reliable ABB drive module

Background:

Domtar is the third largest producer of uncoated freesheet paper in North America and also a leading manufacturer of business papers, commercial printing and publication papers, and technical and specialty papers. The company manages 22 million acres of forestland in Canada and the United States, and produces lumber and other wood products. Domtar employs 12,000 people across North America. In operation since 1848, Domtar is one of the oldest paper manufacturers in the world. Currently in place on their paper machines are Allen-Bradley/Stromberg Bulletin 1352 drives. After being told by Allen Bradley that the drives were obsolete



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Success Stories

and needed replacing, Domtar looked to ABB for a more efficient solution.

Solution:

Based on ABB's lifecycle management model, the A-B/S drives would not be obsolete until 2015. A-B/S Bulletin 1352 drive is, in fact, the ABB SAMI STAR drive that Allen Bradley re-labeled as an Allen Bradley product during the 1990s. In order to verify the condition of the Domtar drives ABB performed a Du/Dt measurement on all the GTO based drives. The firing pulse on a pulse amplifier board (PAC) in one drive in particular was clearly measured to have deteriorated to a level which would have resulted in a catastrophic failure of the drive. The PAC board was replaced during the visit and a Du/Dt measurement was repeated on this drive. It confirmed that the firing pulse was back within specification. This saved the customer a costly failure on the paper machine.

As a result, Domtar decided to purchase SAMISTAR preventive maintenance update kits from ABB for all the A-B/S 1352 drives on their paper machines to ensure several more years of use from the existing drives. Domtar was delighted with this option, especially at a time when the paper industry is under tremendous cost pressure.

"ABB's ability to ensure preventive maintenance instead of costly emergency repairs saved us lost paper production," says Christian Brie, Domtar Project Manager.

Looking Ahead

"Domtar's increased confidence in ABB products and customer service will most likely lead to additional orders and stronger relationships with a valued customer," says ABB System Drives Service Manager, Lars Dahlqvist.

This \$75,000 order represents the first update for Domtar's Allen-Bradley/Stromberg supplied SAMI STAR drives. By successfully integrating ABB parts and services, Domtar was spared costly emergency repairs, as well as having to invest in a completely new drive system, which hopefully ensures continued orders.

For more information, visit us at: www.abb.com/automation

