Overview
ABB has an unmatched history of providing our customers with the most effective investment protection in the industry. As such, promptly after ABB acquired GE's Industrial Systems, we developed a modernization path for GE's existing drives system architecture.

The majority of GE's installed base uses the Dlan+ (Arcnet) communication protocol, which is the basis for the upgrade path. The PE1364DLAN+ adapter converts the Dlan+ protocol to an ABB protocol and with its built-in firmware, allows the transfer of all data from the new ABB master controller (AC800M) to existing GE drives. This enables a cost-effective, step-wise approach to modernization that gives mills access to new controls, benefits and lifecycle support while optimizing budget spend year-over-year instead of all at once.

The evolution plan can be completed at the drive level by retrofits, with an all new drives lineup, or a hybrid of both.

Modernizing your GE drives to ABB’s latest and proven system ensures world-class uptime and lifecycle support. By leveraging a Dlan+ communication protocol adapter, mills can take advantage of a phased modernization path that will provide supportable, modernized application controls and HMIs, as well as enhanced diagnostics and intuitive navigation for system monitoring.

Features
- ABB’s latest and proven system software standards
- New touchscreen HMI breaks down warnings/diagnostics and shows system interlocks and permissives in an intuitive manner
- High-level diagnostics have face plates both for operation and navigation to the ABB global pulp and paper software standards

Benefits
- Lifecycle support for GE installed base
- Minimized spending for over-time drives architecture modernization
- World-class machine uptime and reliability
- Flexibility in system evolution plan
Migration path
Prior to proposal development, a system audit is recommended and performed by ABB system drives specialists who are knowledgeable on both new ABB systems and GE drive systems equipment.

Typically, the first phase consists of installing the adapter with an all new ABB coordinated drives control and operational HMI’s that have state-of-the-art diagnostics that are more modern and advanced than the decades-old software tools of the incumbent system. This immediate upgrade in user functionality translates to better system performance.

The number of modernization phases is dependent on the system size and quantity of lineups. A proven approach is to replace one lineup at a time so that the mill’s infrastructure remains the same at the transformers that feed each lineup.

Contact your ABB pulp and paper account manager today to determine the appropriate modernization approach for your mill.