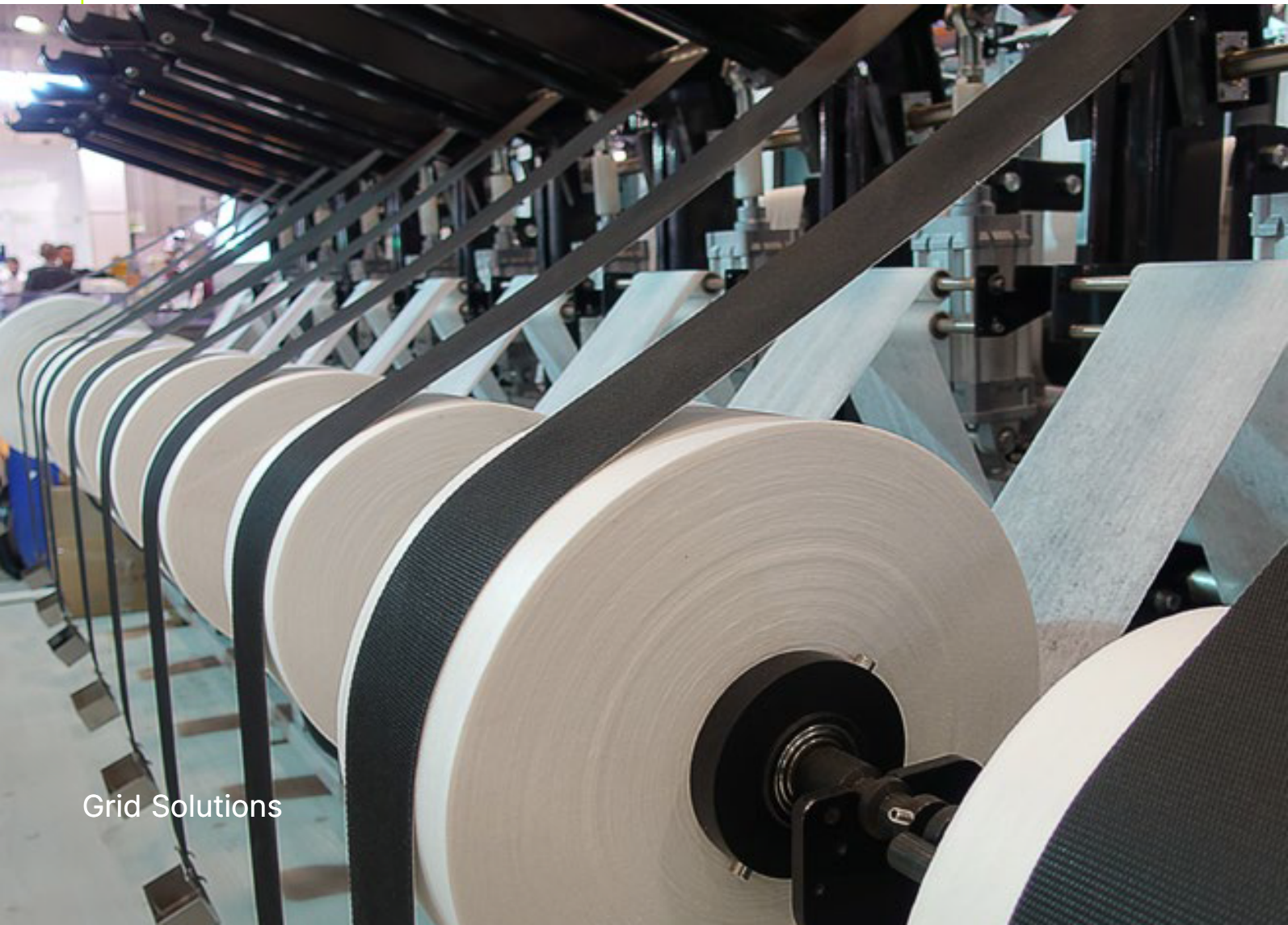
GE VERNOVA

Customer Success Story

A PULP AND PAPER COMPANY'S NEW INSTALLATION OF MULTILIN 869 MOTOR PROTECTION RELAYS

Case Study



Grid Solutions

PROJECT OVERVIEW

COUNTRY	United States
PROJECT	Installing motor protection for the preventative maintenance of a pulp and paper company's induction motors
TECHNOLOGY	Multilin 869 motor protection relays
SCOPE	Successful installation of Multilin 869 motor protection relays with Electrical Signature Analysis (ESA**)**

THE CUSTOMER

The customer is a global forest company headquartered in the United States. They have two core businesses which include forest resources and real estate, managing several million acres of land across the world.

They partner with several conservation agencies, highlighting their commitment to sustainability and ever-growing environmental consciousness.

THE SITUATION

The company is working toward a more proactive approach to motor maintenance as a way to minimize costly downtime. Preventative maintenance involves regular and routine upkeep of assets in order to avoid unexpected equipment failure.

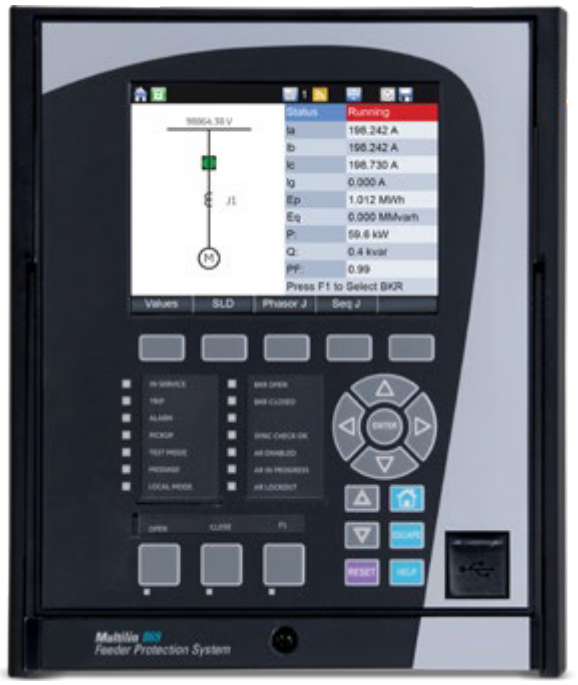
The company contracted GE Vernova for the new installation of Multilin 869 motor protection relays featuring GE Vernova's Electrical Signature Analysis (ESA) technology. The ESA feature is a software option, offering advanced preventative maintenance functionality through electrical, thermal, and GE Vernova 's patented mechanical signature analysis, in an all-in-one-box design.

THE SOLUTION

The Multilin 869 relay provides advanced functionality for improved motor monitoring and diagnostics, flexible configuration capabilities, and high-speed protection. The 869's ESA feature offers proactive motor health diagnostics for electrical, thermal, and mechanical monitoring without the need for additional devices or sensors to detect abnormalities before they become critical motor failures.

The company installed one 869 relay with ESA. Using baseline data provided by the customer, GE Vernova's technical application engineer established the ESA settings. In short order, the unit detected an alarm on a bearing, indicating that the bearing may be coming to a fault situation if not addressed in a timely fashion. Armed with this information, the company scheduled a maintenance activity and confirmed the defect through additional ultrasound testing.

Based on the success of this installation, the company is upgrading their motor protection relays to GE Vernova's Multilin 869 with ESA and will make ESA a standard feature in the protection of their critical motors as they move forward.



For more information, visit
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