

# PRODUCTION LOSS AND BREAK PREVENTION

Event Prevention | Root Cause



## Initial Use Case

Over the course of four years, a facility faced difficulties with their overall production rate. Their paper production was reduced to around 40-50 tons per day. The production decrease was believed to be due to varying grades of paper. Previous work helped the site identify that the machine was performing “normally.” Market conditions caused a change in grades that were less effective at producing. The goal was to help the plant identify ways to improve the quality while running these newer grades. This immense loss of production caused \$225K in annual profit losses.

## Solution

EFT started off with 700 data points hourly for a time span of five years. Our analysis stayed high-level until finding a theory and diving right into a solution based off that theory. EFT found that market conditions were forcing the plant to run the machine to create products it wasn't sufficient at making. Ultimately, this resulted in breaks and pulls in the paper. Currently, EFT is providing a model that delivers a better understanding of their processes and provides the conditions needed so they can consistently prevent these breaks and pulls.



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