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# 1st Flow Feed System Failure Analysis

Client: 1<sup>st</sup> Flow, Lawler, Iowa

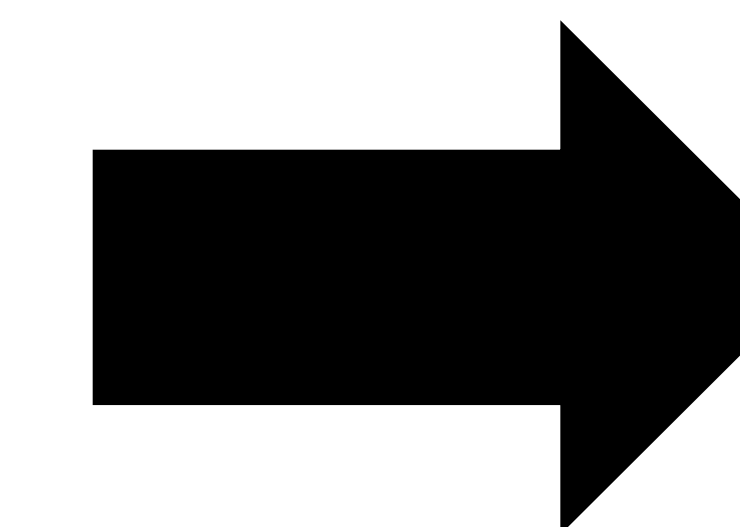
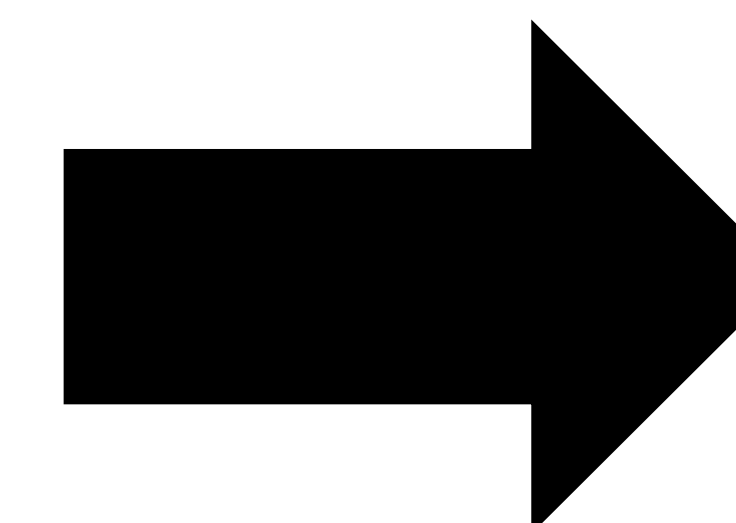
## Problem Statement

- Current 1st flow models are prone to cracking stripping for unknown reasons
- Customers do not want to buy a product that fails



## Objectives

- Determine components affected by failures
- Analyze components determine cause of failures
- Provide recommendation reports based on data collected



## Methods

- Failure Mode and Effect Analysis Report (FMEA)
- CAD Simulation
- Physical analysis of system components

## Proposed Solutions

- Create a recommendation report base on determined failures

## Major Outcomes

- Determine Failures
- Provide Recommendation Report
  - Provide accurate cost analysis for recommendations

## Benefit to Client

- Knowledge of failure points
- Access to information to potentially increase product reliability