



PRCESSMINER™

# PROCESSMINER™

**REAL-TIME QUALITY PREDICTIONS & RECOMMENDATIONS  
FOR MANUFACTURING PROCESSES**

# WE DIG DEEPER

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**Data collection and analysis isn't enough – ProcessMiner digs deeper to solve problems before they occur with real-time predictions and actionable recommendations.**

We partner with forward-thinking leaders to deliver SaaS-based predictive analytics, optimization, and recommendations to improve outcomes in complex manufacturing processes.



**DATA SCIENCE**

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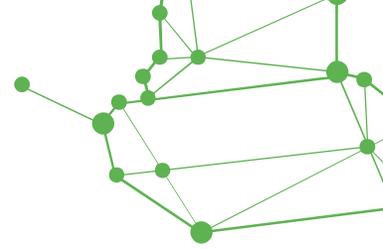
**TECHNOLOGY**

+



**DOMAIN EXPERTISE**

# REDUCE VARIABILITY, INCREASE THROUGHPUT, IMPROVE QUALITY & DRIVE TO OPTIMAL STATE



Our scalable platform self-adapts and evolves to drive continuous process improvement.



**PREDICTS**  
problems before they occur



**OFFERS**  
recommendations for improving product quality



**DELIVERS**  
solutions based on a dynamic environment



**OPTIMIZES**  
outcomes and gets better over time



**PROVIDES**  
low cost, quick onboarding that's scalable



**FEATURES**  
simple, easy-to-read interface for greater adoption on plant floor

MANUFACTURING  
PROCESS

PROCESSMINER  
APPLICATION



ARTIFICIAL INTELLIGENCE



REAL-TIME  
PREDICTION



PROCESS  
MONITORING



DIGITAL  
TWIN



ROOT CAUSE  
ANALYSIS



ADVERSE EVENT  
PREDICTION



ACTIONABLE  
RECOMMENDATIONS  
(CLOSED LOOP CAPABILITY)



PROCESS  
DATA



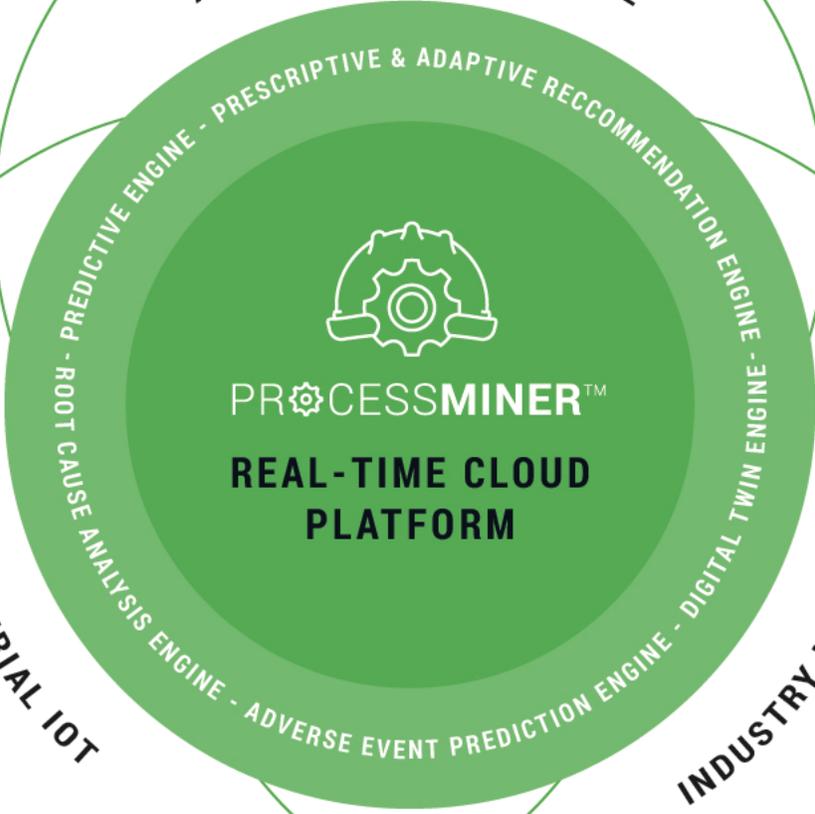
META DATA



ENVIRONMENTAL  
DATA



LAB DATA



INDUSTRIAL IOT



INDUSTRY KNOWLEDGE

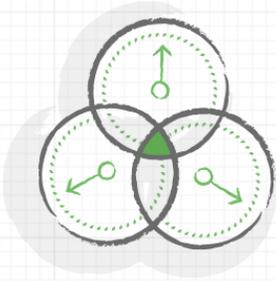
# PROCESS OVERVIEW



**DATA HEALTH REPORT**

## DATA ASSESSMENT

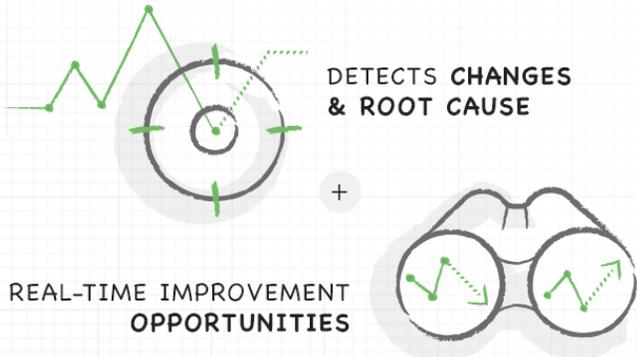
Ensures you're collecting clean, relevant and actionable data.



**OPTIMAL COMBINATION OF MULTIPLE MEASURES**

## MODELLING & LEARNING

Applies advanced data science and machine learning techniques to find insights that will impact your ROI.



**DETECTS CHANGES & ROOT CAUSE**

**REAL-TIME IMPROVEMENT OPPORTUNITIES**

## MONITORING & PREDICTION

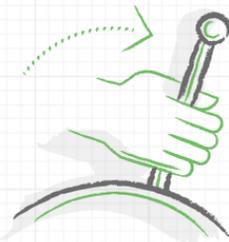
Predicts performance measures and identifies improvement opportunities.



**MACHINE LEARNING IMPROVES OVER TIME**

## OPTIMIZATION

Continual improvement that optimizes process performance and variability.



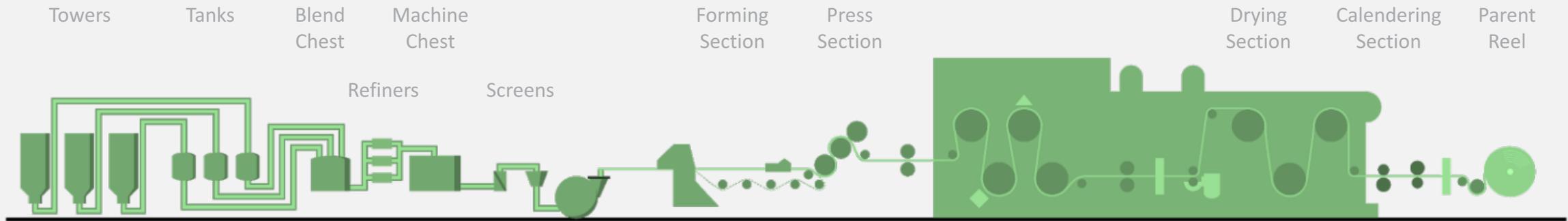
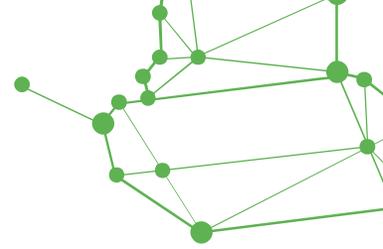
**TAKE ACTION IN REAL TIME**

## RECOMMENDATION

Easy to read suggestions for minimizing variability in your manufacturing process through improvement, preventative and corrective actions.



# CASE STUDY: LARGE CONTINUOUS MANUFACTURER PRODUCING 1500 TONS OF PAPER PER DAY



ProcessMiner developed a holistic system to provide real-time process monitoring and diagnosis, prediction of yield quality, and recommendations to bring output closer to target with reduced raw materials.

## KEY CHALLENGES

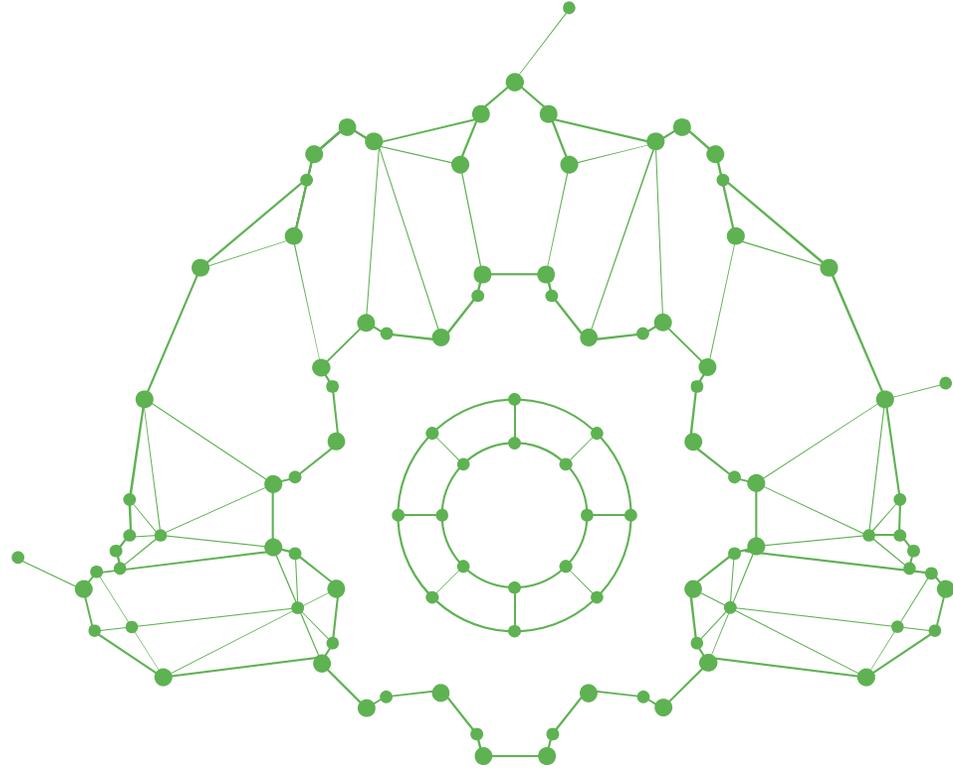
- Complex dynamics
- High-dimensionality
- Measurement errors
- Lack of experimental data

## RESULTS

- System enabled preemptive actions to achieve:
- 2.2 times greater yield (an increase of 120%)
  - Output 37% closer to target
  - 3% reduction in raw material use (pulp)

# TRUST IS NOT A PROMISE WE MAKE, IT'S A VALUE WE DELIVER





THANK**YOU**