

# MANUFACTURER OF ENGINEERED PLASTIC FILMS APPLIES DIGITAL TWINS AND INDUSTRIAL AI TO IMPROVE LINE STABILITY AND UPTIME

RECOVERING FROM FILM BREAKS IS VERY COSTLY AND CAUSES MAJOR IMPACTS TO PRODUCTION



## INITIATIVE

Increase Uptime, Operator Safety



## PRODUCT / SERVICE

Extruded plastic film



## PROCESS / EQUIPMENT TYPE

Blending, Processing, Extrusion, Stretching, Winding



## HOSTING MODEL

SaaS, TwinThread Hosted



## OPERATIONALIZED FUNCTIONS

- Engineering Function



## PROJECT TYPE

Rollout



## IMPLEMENTATION TYPE

Assisted



## PROJECT RESOURCES

TwinThread



## SCOPE

Multiple Lines



## IMPACTED WORK PROCESSES

- Engineering - Alert and Troubleshooting Work Process
- Engineering - Post Downtime Investigation Work Process



## SOLUTION

Advanced warning alerts from models indicating abnormal or unstable conditions are integrated with on-shift engineering work processes across three production lines



## SOLUTION COMPONENTS

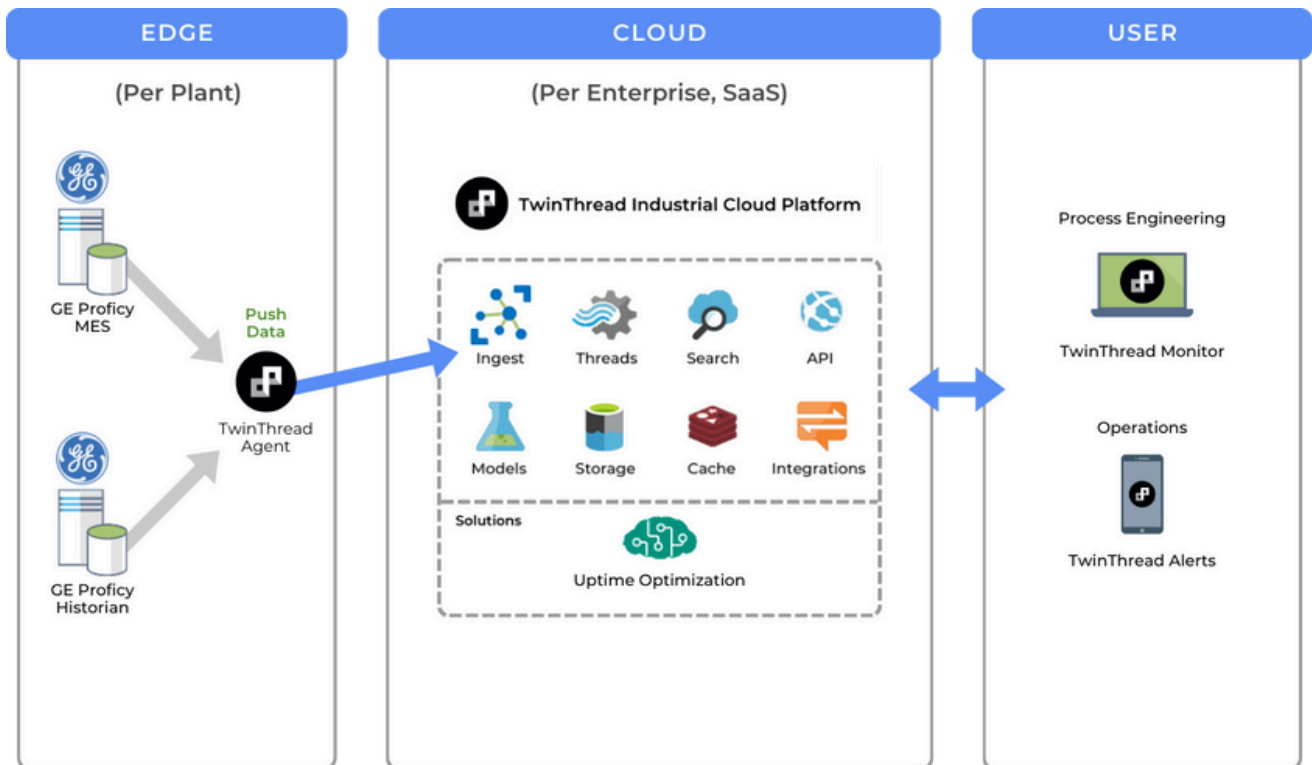
- Uptime Optimization Solution
- Digital Threads
- Edge Agents
- Anomaly Detection Models
- Digital Twins



## INTEGRATED WITH

- GE Proficy Historian
- GE Plant Applications MES

## ARCHITECTURE





## VALUE ATTAINED

Increase Uptime

Improved Line Stability

Time efficiency of on-shift engineering resources



RETURN ON INVESTMENT

100%+

*"TwinThread is making a big difference to our process engineers, giving them real-time feedback on the stability of our production."*

- DOMENIC VERTE, MANUFACTURING APPLICATION MANAGER

## ADDITIONAL RESOURCES



[Video Product Tour](#)



[Uptime Optimization Solution](#)



[Manufacturer saves hundreds of thousands of dollars with platform on Azure](#)



**TWINTHREAD**

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