

MANUFACTURER OF WOOD-ALTERNATIVE BUILDING PRODUCTS APPLIES DIGITAL TWINS AND INDUSTRIAL AI TO IMPROVE QUALITY AND THROUGHPUT

SOUGHT TO REDUCE HIGH AMOUNTS PRODUCTION SCRAP



INITIATIVE

Improve Quality, Increase Throughput



PRODUCT / SERVICE

Building products



PROCESS / EQUIPMENT TYPE

Continuous Process, Extrusion, Feeders



HOSTING MODEL

SaaS, TwinThread Hosted



OPERATIONALIZED FUNCTIONS

- Automation Function
- Engineering Function



PROJECT TYPE

Pilot



IMPLEMENTATION TYPE

Assisted



PROJECT RESOURCES

Systems Integration Partner



SCOPE

Single Line



IMPACTED WORK PROCESSES

- Automation - Controls Upgrade and Tuning Work Processes
- Engineering - Non-Conformance Work Processes, Troubleshooting Work Processes



SOLUTION

Top drivers from models are integrated into process engineering troubleshooting and investigation work processes focusing on "big hitter" reasons for production scrap.



SOLUTION COMPONENTS

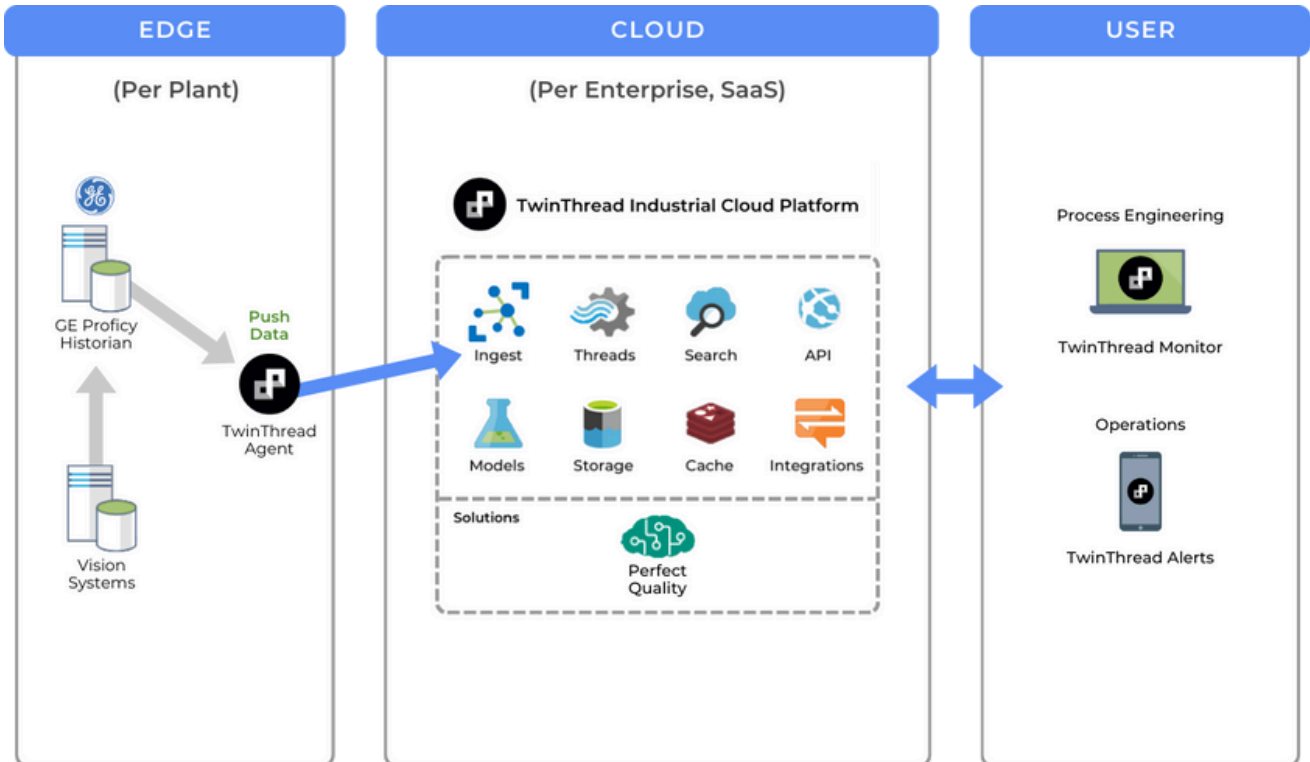
- Perfect Quality Solution
- Digital Threads
- Digital Twins
- Edge Agents



INTEGRATED WITH

- GE Proficy Historian
- Vision Systems

ARCHITECTURE





VALUE ATTAINED

Improved Quality

Increased Yield

Improved Throughput



RETURN ON INVESTMENT

100%+

ADDITIONAL RESOURCES



[Perfect Quality Solution](#)



[Perfect Quality: Applying AI To Optimize Processes In Real-Time](#)



[TwinThread Video Product Tour](#)



TWINTHREAD

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