

# MANUFACTURER OF FROZEN FOOD PRODUCTS APPLIES DIGITAL TWINS AND INDUSTRIAL AI TO IMPROVE QUALITY AND THROUGHPUT

VARIATION IN QUALITY LEADING TO INCREASED WASTE, LOWER YIELDS, AND UNNECESSARY ENERGY CONSUMPTION



## INITIATIVE

Improve Quality, Reduce Waste, Reduce Energy Intensity



## PRODUCT / SERVICE

Frozen food



## PROCESS / EQUIPMENT TYPE

Continuous Process, Frying, Drying, Freezing



## HOSTING MODEL

SaaS, Partner Hosted



## OPERATIONALIZED FUNCTIONS

- Operations Function



## PROJECT TYPE

Pilot



## IMPLEMENTATION TYPE

Assisted



## PROJECT RESOURCES

OEM Partner



## SCOPE

Single Line



## IMPACTED WORK PROCESSES

- Operations - Ideal startup and run conditions plus automated operator recommendations are shared to operators in real-time with dashboards and alerts



## SOLUTION

Recommendations from models are integrated with Startup and In Run work processes to continuously optimize quality performance across multiple quality measures.



## SOLUTION COMPONENTS

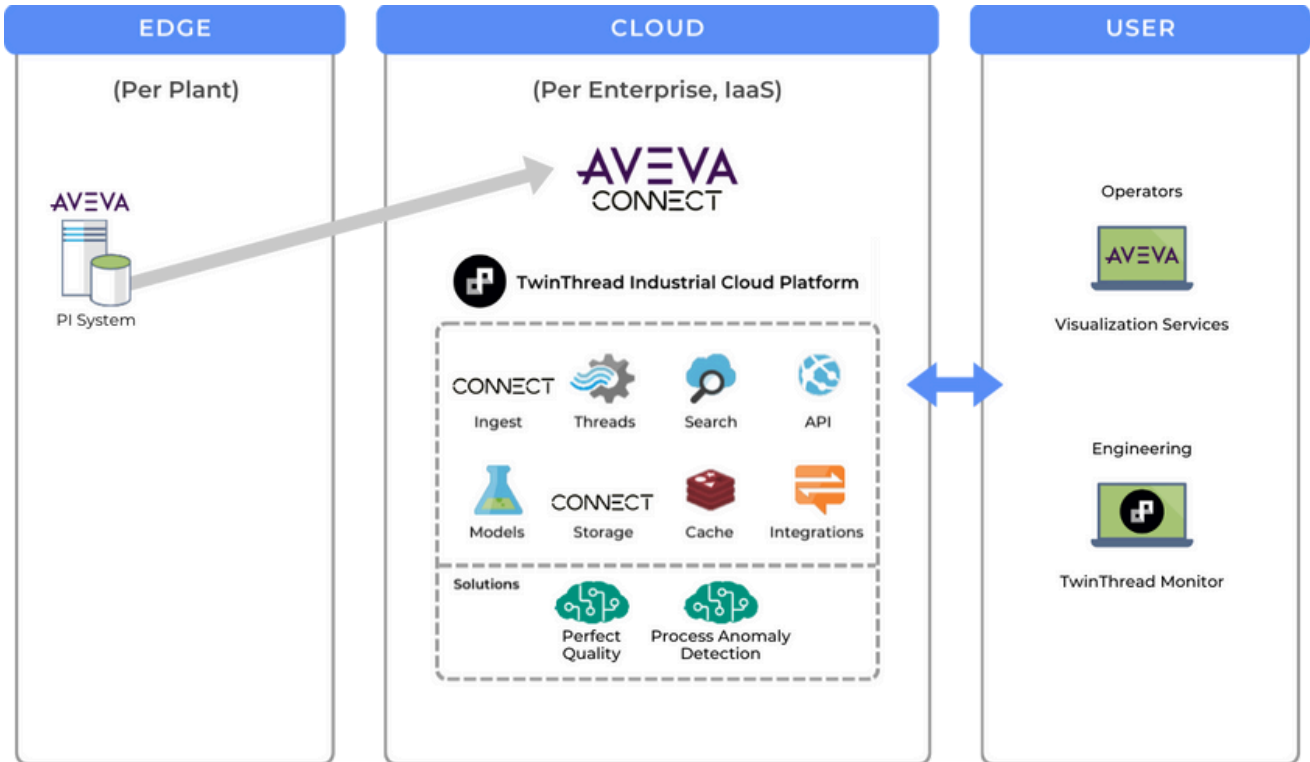
- Perfect Quality Solution
- Digital Threads
- Digital Twins
- Cloud Agents



## INTEGRATED WITH

- Aveva DataHub

## ARCHITECTURE





## VALUE ATTAINED

Improved Quality

Increased Yield

Reduced Energy Intensity



RETURN ON INVESTMENT

100%+

*"The user-friendly analytics and machine learning tools supported us with product predictions and will enable us to take on new use cases, which we are very excited about!"*

- PRODUCTION SUBJECT MATTER EXPERT

## ADDITIONAL RESOURCES



[Perfect Quality Solution](#)



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



**TWINTHREAD**

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