TWINTHREAD | Hill's

GLOBAL MANUFACTURER OF PREMIUM PET NUTRITION PRODUCTS APPLIES DIGITAL TWINS AND INDUSTRIAL AI TO DRIVE QUALITY TO NEW HEIGHTS

VISION TO DIGITIZE EXPERT OPERATOR KNOWLEDGE AND BEST PRACTICES

INITIATIVE

Improve Quality, Reduce Material Losses

PRODUCT / SERVICE

Dry pet food

PROCESS / EQUIPMENT TYPE

Extrusion, Coating, Drying

HOSTING MODEL

SaaS, TwinThread Hosted

OPERATIONALIZED FUNCTIONS

- Automation Function
- Operations Function
- Enterprise Function

PROJECT TYPE

Rollout

IMPLEMENTATION TYPE

Assisted

PROJECT RESOURCES

Automation Partner

SCOPE

Multiple Plants

IMPACTED WORK PROCESSES

- Automation - Startup Work Process
- Automation - In-Run Quality Adjustment Work Process
- Operations - Quality Control and Yield Management Work Processes
- Enterprise - Recipe Optimization

SOLUTION

Recommendations from models are integrated with Startup and In Run work processes to continuously optimize quality performance across four (4) critical quality measures
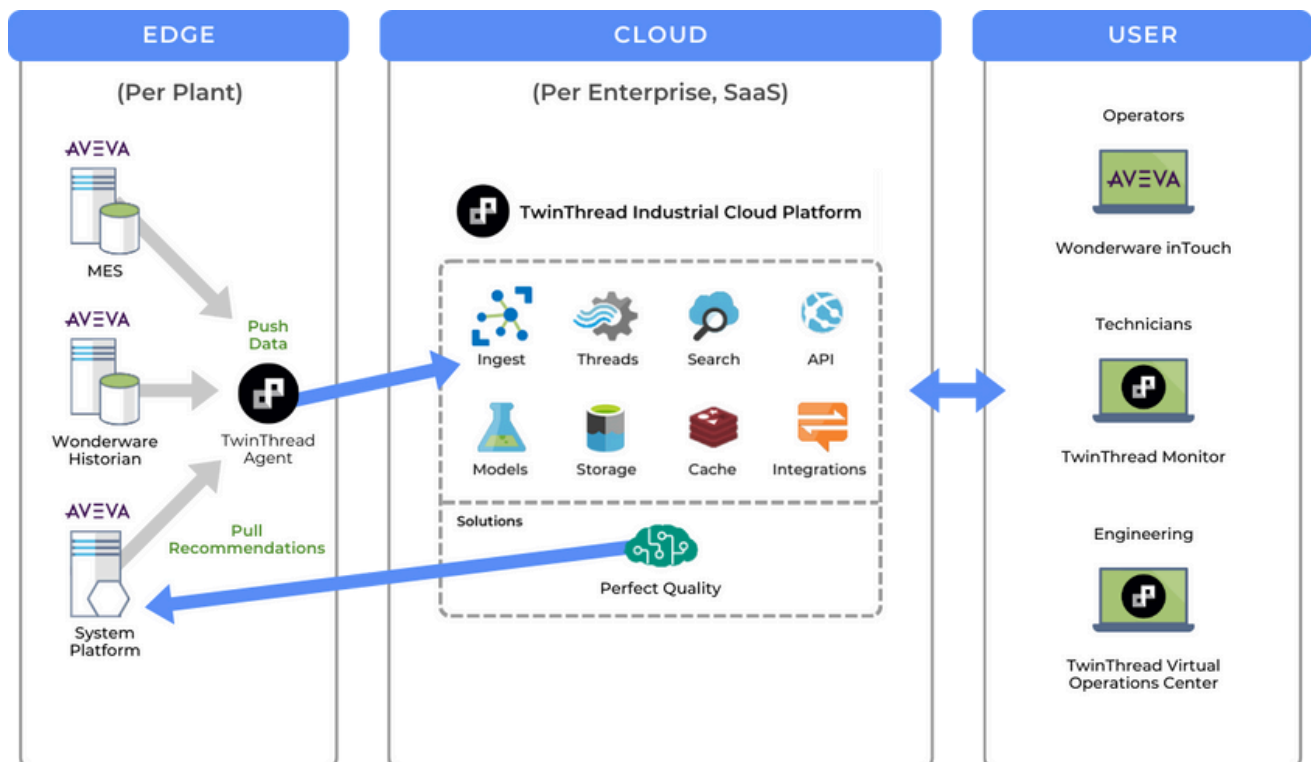
SOLUTION COMPONENTS

- Perfect Quality Solution
- Autonomous Quality Models
- Digital Threads
- Digital Twins, Edge Agents

INTEGRATED WITH

- Wonderware Historian (on-premise)
- Aveva MES (on-premise)

ARCHITECTURE

TWINTHREAD

VALUE ATTAINED

Increased CpK

Reduced Material Losses

Less experienced operators able to deliver superior quality performance

RETURN ON INVESTMENT

100%+

ADDITIONAL RESOURCES

[How Colgate-Palmolive Achieved Autonomous Quality](#)

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

[Scaling Skilled Resources with AI](#)

TWINTHREAD

TwinThread, Inc.
www.twinthread.com
1-434-218-7856
info@twinthread.com