Smart F&B Manufacturing

falkonry

Gain operational reliability and productivity with time series AI

Avoid surprises that impact the production

Early warnings
Discover anomalies and critical patterns in advance
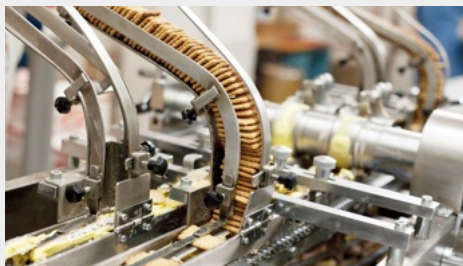
Proactive actions
Condition-based actions before they impact the production

Fully automated
No set-up and training required. Line-scale live monitoring within days

Applications across Food & Beverage manufacturing operations

|	**Smart CBM**	**Safety & Compliance**	**Production Continuity**
Problem:	Servo motors sometimes fail, requiring reactive maintenance. Current methods do not provide adequate warning.	Loss of refrigeration results in manufacturing stoppage or product loss. Current systems do not provide sufficient warning.	Regular clean in place (CIP) is required to ensure safe processing. Current methods don't provide enough warning.
Solution:	Automated anomaly detection identifies clear and early indicators of impending failures and generates timely alerts	Time Series AI analyzes current operational data to detect early signs of cooling capacity reduction	Discover, record and maintain patterns in operational data which predict CIP failures or that indicate impaired performance.
Benefit:	Avoid production and labor costs associated with unplanned downtime.	Provide backup capacity or schedule repairs before cold chain is lost.	Prevent production loss caused by repeated cleaning and unexpected downtime by scheduling backup capacity to reduce disruptions.

> *"The mechanics get it."*
> *Stated after making successful predictions with plant operational data during 1st hour of training.*
>
> ***Digital Transformation Manager***
> ***Top 5 bakery company***

Falkonry Solution Framework
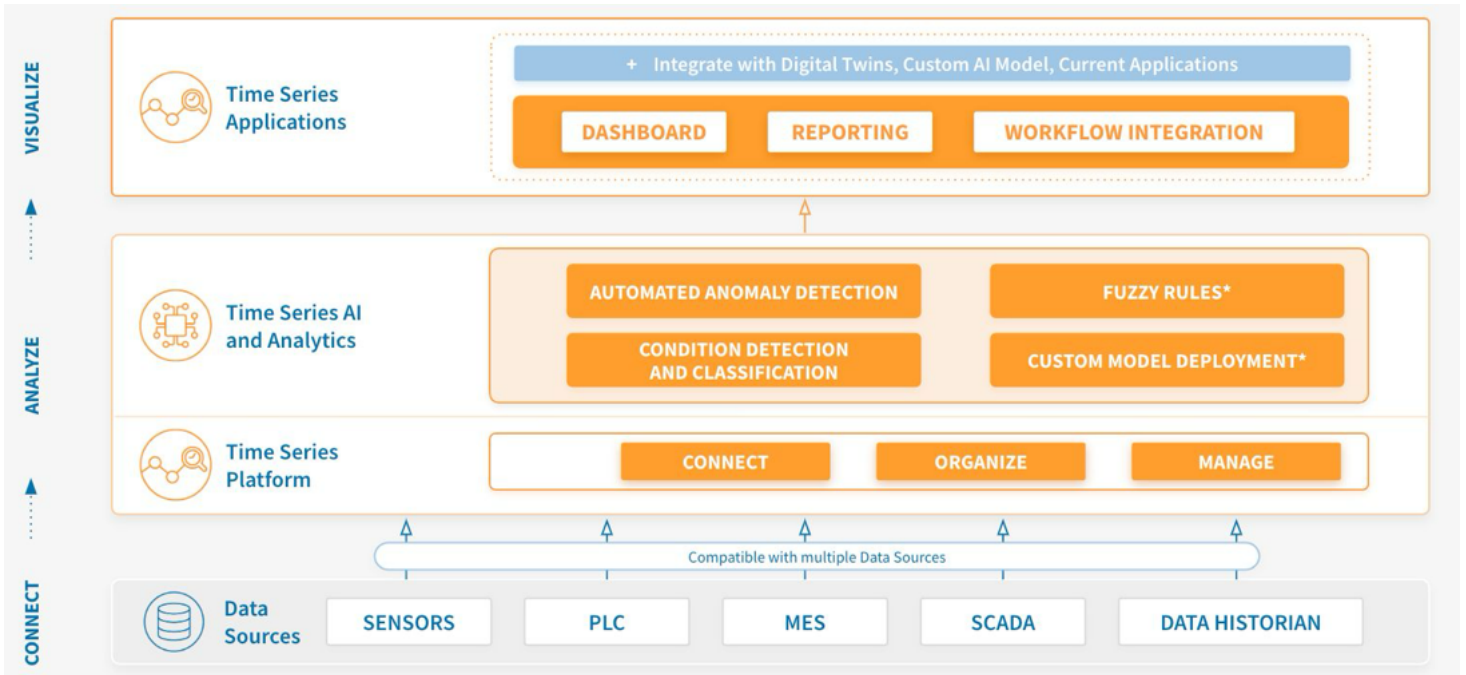
Case study: Smart Condition-based Maintenance

> $14,000 / hr
Manufactured output per plant

> 800 hrs / yr
Lost production to maintenance and operations downtime

10-14 days
Advance warning that enables just-in-time maintenance

Avoid
$1.1M
Production losses