

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

Application across chemical manufacturing operations



Safety and Compliance

Problem:

Sensing approaches detect but do not adequately predict emissions violations.

Solution:

Discover anomalies in operational data which precede unsafe operating conditions and find the root causes of the issues

Benefit:

Act before non-compliance and prevent losses from regulatory fines, equipment damage and downtime costs



Predictive Maintenance

Rule-based methods do not give an accurate early warning of impending compressor failure

Discover early signs of increasing vibrations and identify causal factors to expedite the resolution

Increase availability by lowering unscheduled downtime.
Reduce maintenance costs through better scheduling.



Predictive Quality

Lab based quality checks result in long periods during which process may be out of control.

Utilize operational data to discover patterns indicative of low product quality. Diagnose root causes using pattern information.

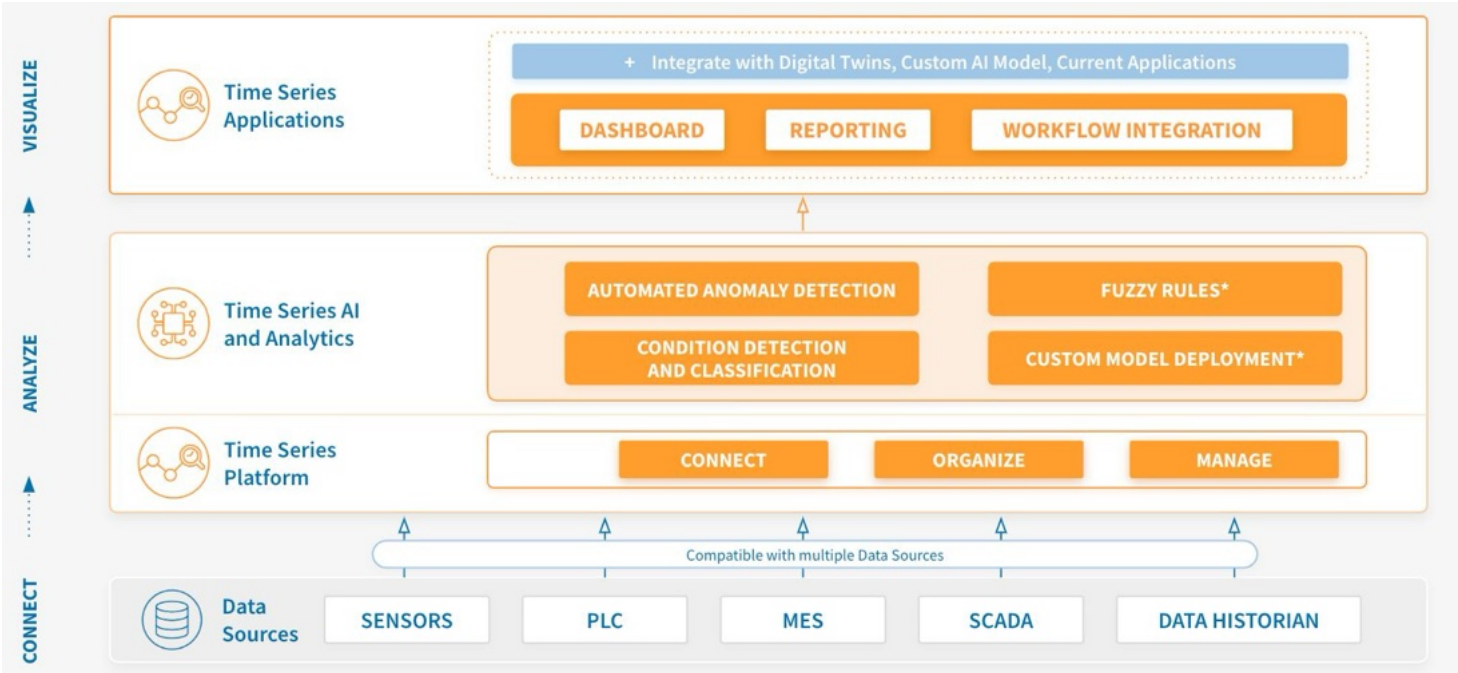
Avoid losses from late detection of poor processing conditions.
Improve availability through faster time to problem resolution.



*“Progress has been really really strong.
...have proven that we can extract value from data, do predictions and monitoring”*

**Process Control Lead
Top 10 polyester manufacturing company**

Falconry Solution Framework



Case study: Condition-Based Maintenance

> \$285,000 / event
Plugged centrifuges stop production

10 days
Advance warning

Understand
root causes for
corrective actions

Optimize
maintenance
schedules

Tell us your challenge, we're here to help: [Let's Talk](#)