AI Copilot for F&B Manufacturing

Enhance operational reliability and productivity with Automated AI

Address events *before* they impact production

**Timely, actionable alerts**
Discover and understand real-time operational issues in all plant systems

**Capture operational knowledge**
Connect engineering know-how with production performance

**Effortless activation & scale**
Operationalize and expand with minimal resources, time, and effort

Applications across Food & Beverage manufacturing operations

<table>
<thead>
<tr>
<th>Problem</th>
<th>Solution</th>
<th>Benefit</th>
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<tbody>
<tr>
<td>Servo motors sometimes fail, requiring reactive maintenance. Current methods do not provide adequate warning.</td>
<td>Automated anomaly detection identifies clear and early indicators of impending failure, enabling corrective action.</td>
<td>Avoid production and labor costs associated with unplanned downtime.</td>
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<td>Loss of refrigeration results in manufacturing stoppage or product loss. Current systems do not provide sufficient warning.</td>
<td>Time Series AI analyzes current operational data to detect early signs of cooling capacity reduction</td>
<td>Provide backup capacity or schedule repairs before cold chain is lost.</td>
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<td>Regular clean in place (CIP) is required to ensure safe processing. Current methods don’t provide enough warning.</td>
<td>Discover, record and maintain patterns in operational data which predict CIP failures or that indicate impaired performance.</td>
<td>Prevent production loss caused by repeated cleaning and unexpected downtime by scheduling backup capacity to reduce disruptions.</td>
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"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: Predictive maintenance

- > $14,000 / hr
  Manufactured output per plant

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

- 10-14 days
  Advance warning reduces downtime

- Avoid $1.1M
  Production losses

Tell us your challenge, we’re here to help: Let’s Talk