Reliable Maintenance Solutions for the Food & Beverage Industry

Stay ahead of the competition with smarter and more reliable operations

In the fast-paced food and beverage industry, unplanned downtime, rising costs, and quality risks can put you behind.

Acoem helps you stay ahead by going beyond predictive maintenance—leveraging Industry 4.0 technologies to enhance reliability and efficiency across your critical assets.
From rotating machinery and conveyors to refrigeration units, our tailored solutions optimise performance, reduce operational risks, and give you the competitive edge you need.

Why choose Acoem?

Nobody else in the global industrial reliability market can match Acoem when it comes to flexibility, expertise, field experience, technology and R&D.

• Patented automatic diagnostic AI
• Reliable advisor
• Holistic ecosystem
• Efficient at 100% since day one

Trusted by industry leaders for smarter & reliable operations

Leading F&B brands trust our expertise to keep their operations running smoothly. Our industrial reliability solutions help prevent failures, optimise performance, and drive efficiency

How Acoem ensures uninterrupted operations:

• **Protect critical processes**
  Safeguard equipment like mixers, packaging machines, and refrigeration.

• **Minimise downtime**
  Detect issues early with real-time monitoring.

• **Ensure compliance**
  Meet stringent hygiene and safety standards consistently.

Reliability insights for the F&B industry
Unplanned downtime costs you:

$21697
Per hour

500+hours annually
Average downtime

20% production loss
Due to equipment failures

25+ hours per month
Unplanned downtime

> *Working with Acoem has been a key factor in improving our operations. Their expertise and customised solutions have helped us streamline processes, reduce operational costs by 17%, and increase overall efficiency.*

Operations manager,
Global beverage production facility

> *Acoem's Advisor Services helped us reduce equipment downtime by 22%, ensuring smoother operations in our high-demand production environment.*

Vice president – Operations,
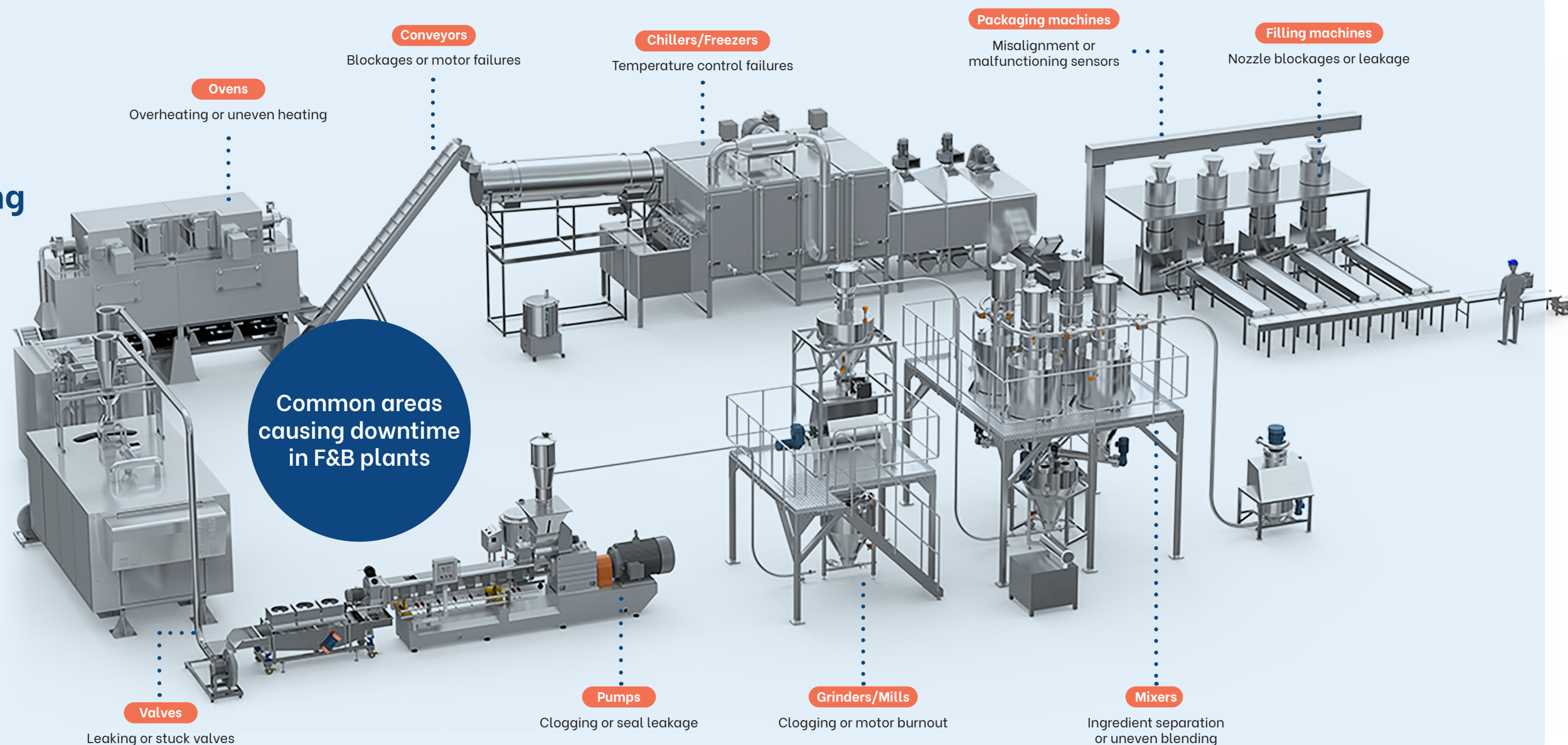*Ready-to-eat food manufacturing facility*

Are your critical machines performing at their best?

Schedule an expert audit to optimise asset monitoring and reliability.

In the fast-paced food and beverage (F&B) sector, reliability is essential. A single equipment failure can lead to:

- Production halts
- Product spoilage
- Regulatory penalties
- Significant financial losses

Acoem's monitoring solutions ensure efficient, hygienic, and uninterrupted operations.

Common areas causing downtime in F&B plants

Ovens
Overheating or uneven heating

Conveyors
Blockages or motor failures

Chillers/Freezers
Temperature control failures

Packaging machines
Misalignment or malfunctioning sensors

Filling machines
Nozzle blockages or leakage

Valves
Leaking or stuck valves

Pumps
Clogging or seal leakage

Grinders/Mills
Clogging or motor burnout

Mixers
Ingredient separation or uneven blending

Acoem's key technologies to ensure operational efficiency

Shock finder™
Detects early faults in low-speed components like main bearings, preventing costly drivetrain failures and extending equipment lifespan.

Acoem MCT™
Adjusts monitoring every 80 milliseconds based on real-time operating conditions ensuring optimal performance 24/7.

Smart anomaly detection AI
Uses AI to identify and prioritise critical issues, boosting efficiency with minimal operator input and reducing downtime.

Tailored solutions for F&B operations
Our solutions address key reliability challenges to ensure your equipment runs smoothly and your production stays on track

Health assessments
Ensure critical equipment like compressors, pumps, and motors are running optimally with early fault detection.

Precision alignment
Improve rotating machinery performance and reduce wear, resulting in fewer breakdowns and lower maintenance costs.

Leak detection
Minimise downtime and increase energy efficiency with pinpoint leak detection for compressors and blowers.

Real-Time monitoring
Monitor key equipment—conveyors, mixers, chillers, and packaging machines—round the clock for maximum reliability.

Dynamic balancing
Prevent unbalanced loads in fans and blowers, enhancing operational stability and extending equipment lifespan.
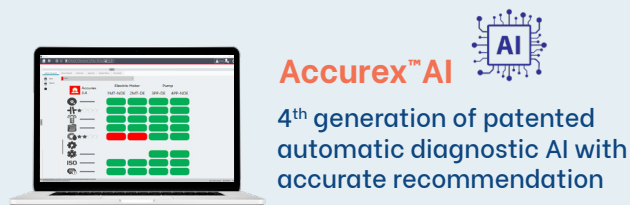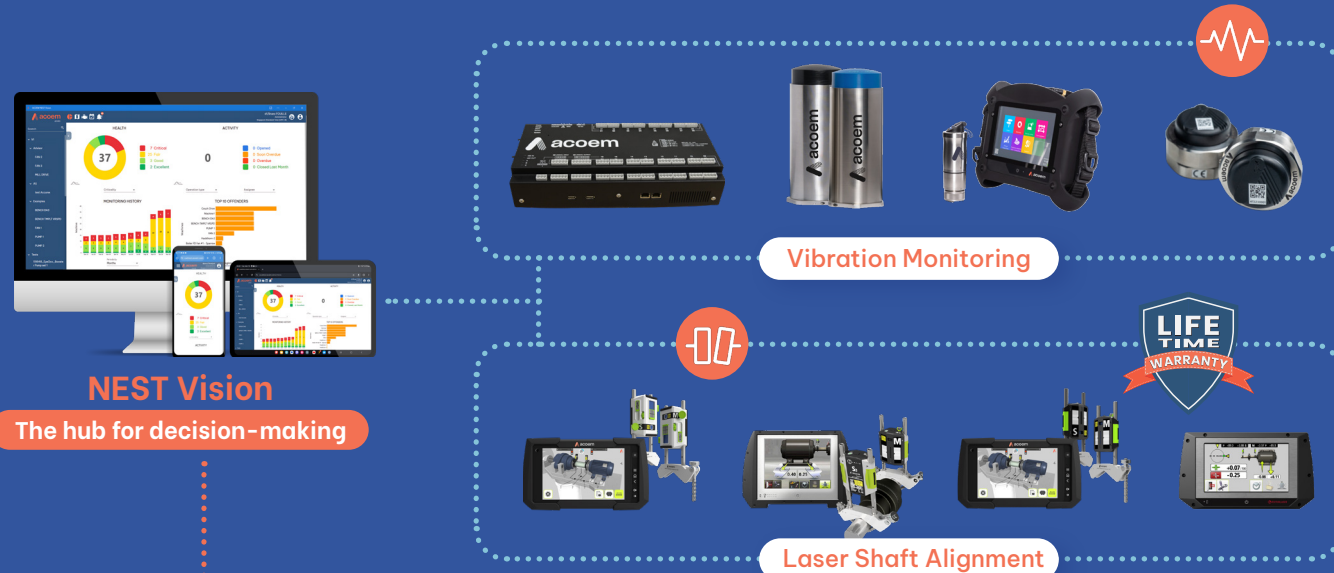
Advanced troubleshooting
Leverage real-time data to quickly diagnose and resolve complex issues, minimising costly disruptions.

Acoem helps you to have **eyes on every asset**

With over three decades of expertise in asset reliability, we deliver tailored solutions across sectors, ensuring optimised performance and long-term asset health.

NEST Vision
The hub for decision-making

Vibration Monitoring

LIFE TIME WARRANTY

Laser Shaft Alignment

Accurex™ AI
4th generation of patented automatic diagnostic AI with accurate recommendation

Advisor Services
Remote Diagnostic Services

Empower your team with tailored training

Customised programs to enhance expertise in:

• Vibration technology
• Bearing technology
• Turbo machinery alignment
• Precision maintenance

Transformative maintenance practices

We help your team adopt best practices for long-term reliability and cost-effective operations.

How Acoem Advisor minimised downtime for a European food manufacturer

Challenges
The food manufacturer, specialising in high-quality products for the European market, faced recurring challenges, including equipment breakdowns, unplanned downtime, and difficulties in meeting food safety standards. These issues were impacting production efficiency and product consistency, which were critical to maintaining their reputation in the market.

Acoem's solution
Advisor remote diagnostics service
• Real-time monitoring of critical equipment
• Early detection of faults
• Proactive maintenance to prevent issues

Impact on operations
• Reduced downtime and maintenance costs
• Improved food safety compliance
• Maintained high product quality
• Ensured smoother, more reliable operations

How Acoem optimised conveyor belt performance

Challenges
A major Southeast Asian beverage manufacturer faced challenges with its conveyor belt system, experiencing issues like slipping, delays, and food residue buildup. These problems caused bottlenecks, motor overloads, and an increased risk of contamination. As a result, downtime became frequent, production was disrupted, and maintenance costs soared.

Acoem's solution
• Real-time vibration monitoring
• Integrated with NESTi4.0 predictive maintenance
• Early fault detection with Accurex™ AI
• Proactive maintenance reducing unplanned downtime

Impact on operations
• Reduced downtime by 30%
• Decreased maintenance costs
• Enhanced production efficiency
• Consistently met customer demands
• Improved system reliability and performance

Acoem:
Your partner in industrial reliability

At Acoem, we are committed to helping organisations and public authorities find the right balance between progress and preservation. We empower industries with smarter, data-driven reliability solutions to safeguard assets, optimise performance, and ensure operational excellence. Our AI-powered monitoring systems and expertise help organisations predict, prevent, and resolve reliability challenges with confidence.

With a global presence in 50 countries and dedicated reliability centres in strategic locations worldwide, we provide localised expertise and support to keep industries running efficiently.

Reliability centres

- Australia
- Brazil
- Canada
- France
- Germany
- India
- Sweden
- Thailand
- USA
- UK

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