aptean

Predict Before It Costs You a Shift

What predictive AI looks like across scheduling, maintenance and the production floor.

Predictive AI helps you get ahead of disruptions before they cost you uptime, yield or overall equipment effectiveness (OEE).

Two Categories of Disruption Every Shift Carries

All of it lands on top of allergens, shelf life, stock keeping unit (SKU) complexity and seasonal labor.



Unplanned

Equipment failures. Material shortages. Labor gaps. Rush orders.



Planned

Scheduling conflicts between production and maintenance. Excessive changeovers from poor sequencing.

Three Workflows, One Foresight Layer

Predictive AI absorbs that complexity inside the three workflows your plant runs every day. Here's how OEE gains compound when foresight feeds your team's decisions.



Predictive Scheduling

Helps your planners stop rebuilding the schedule every time reality shifts.

Input

- Vacation and harvesting-season absences
- Expected customer orders
- Material availability and supplier delivery
- Actual OEE and yield by line and shift
- Actual changeover times

Aptean AI ✧
sequences production around allergen changeovers, pack-size transitions and first-expired-first-out (FEFO) discipline.

Output

- A schedule that protects on-time-in-full (OTIF) and shelf life
- Fewer excessive changeovers
- The right people on the right line



Predictive Maintenance

Keeps unplanned downtime from eating into your uptime.

Input

- Historical runs and sequences by line and shift
- Production quantity and run hours
- Changeover counts per line
- Yield and scrap signals
- Parts availability
- Technician schedules

Aptean AI ✧
flags failure risk by line and confirms parts and people before the preventive maintenance (PM) window opens.

Output

- PMs that hit on schedule with parts in place
- Part shortages caught before equipment comes down
- Maintenance cost trending against output



Predictive Intelligence Dashboards

Puts your team inside the warning window before the breakdown lands.

Input

- Real-time line status
- Failure probability by equipment
- Throughput against plan
- Reject and scrap signals
- Material consumption against the run
- Mobile alerts

Aptean AI ✧
surfaces line-level failure probability and time-to-breakdown the moment signals appear.

Output

- Yellow-zone alerts before red-zone failures
- Mobile visibility for supervisors and technicians
- Throughput corrections inside the shift

Pick the Disruption Costing You the Most This Quarter

Downtime. Changeover losses. Planning friction. One of them is depleting the most hours. The line carrying the biggest gap is where your first predictive pilot pays back fastest.

Once your operation catches disruptions before they land, the next gain comes from helping your teams act on what they're seeing instantly.



Ready to Put Predictive AI to Work on Your Floor?

Download our **Food and Beverage Leader's Guide** to learn how your business can unify, access, predict and respond with vertical AI.

Explore **Aptean AI** and see predictive AI at work across your plant.

Contact Us