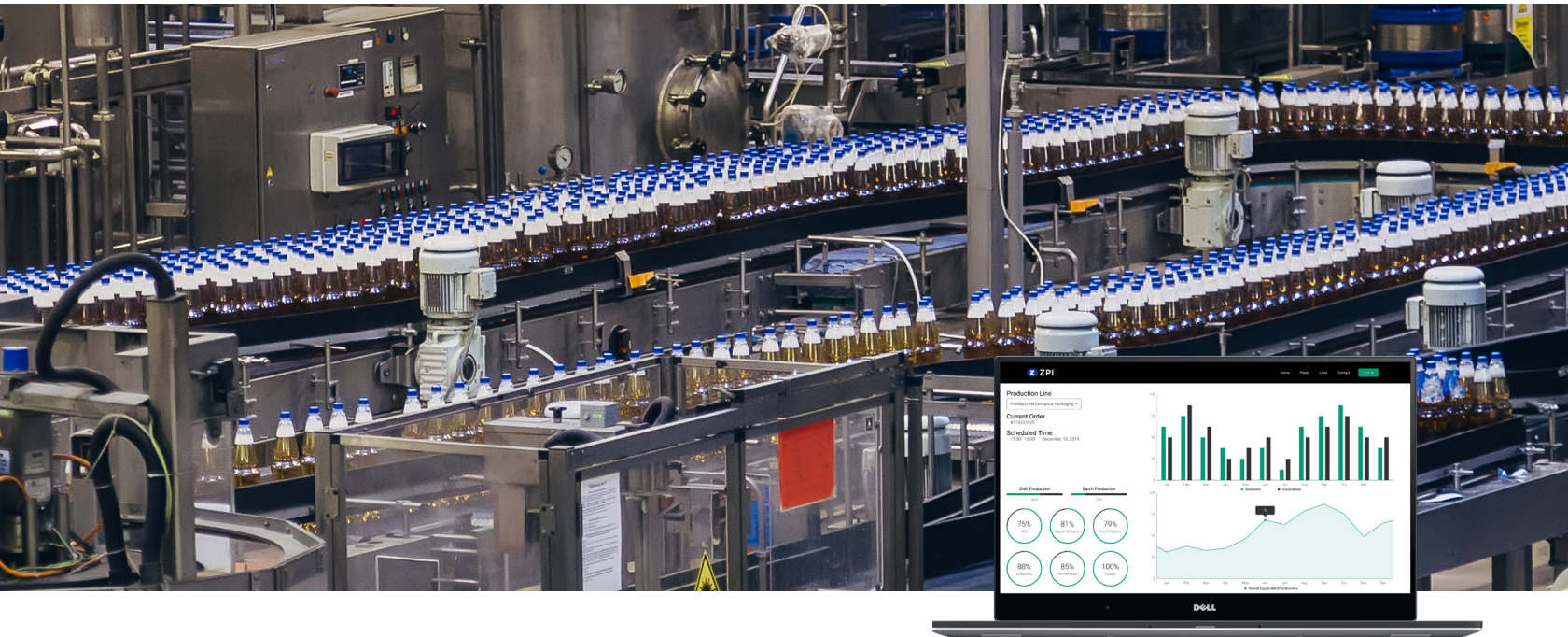




PERFORMANCE MONITORING SYSTEMS



Empowering manufacturers to effectively implement a wide range of continuous improvement initiatives

ZPI is a software-based production line monitoring and reporting system that lives on a customer's local area network.

It provides in-depth support for Continuous Improvement initiatives, Overall Equipment Effectiveness (OEE), Key Performance Indicators (KPI), Total Productive Maintenance (TPM) programs, Six Sigma projects, day-to-day production management, and real time line monitoring and alerts to accelerate downtime troubleshooting.

ZPI is used around the world by customers of all sizes from a wide range of industries including ready-to-drink beverages, beer, baked snacks, frozen pizza, candy, ground coffee, canned meats, nutritional products, yogurt, automotive lubricants, automotive fluids, paint and pharmaceutical products.

ZPI is supported by a dedicated team of experts that provide responsive and effective technical assistance to system users.

FEATURES AND BENEFITS

- Return on investment (ROI) measured in months or even weeks:
 - Nothing is more costly than downtime.
 - Nothing is more valuable than reducing it or preventing it.
- ZPI implementations are 100% turnkey and they are completed by ZPI experts, not third party contractors.
- 100% software solution:
 - System operates securely on the customer's local area network.
 - No proprietary hardware required.
 - ZPI works seamlessly with existing networks and existing machine controls.
- Intuitive user interface supports unlimited reporting and analytic tools for every functional area in the business including operations, maintenance, production planning, finance and HR.



PERFORMANCE MONITORING SYSTEMS AUTOMATIC, REAL-TIME PRODUCTION LINE DATA COLLECTION, AGGREGATION, MONITORING AND REPORTING

PROVEN & PREFERRED

- ZPI supports hundreds of production lines in over twenty countries.
- Over 95% of multi-location ZPI customers use ZPI on multiple production lines in multiple facilities.

COMPREHENSIVE

- ZPI supports the entire production line including ingredient delivery, process, primary packaging, and secondary packaging line components.
- ZPI captures, aggregates, stores and accesses data from every signal from every piece of equipment in the production line.
 - If something happens on a production line, ZPI captures it and customers can analyze it.
 - What, where, when, how long, why?

NO DOWNTIME INSTALLATION

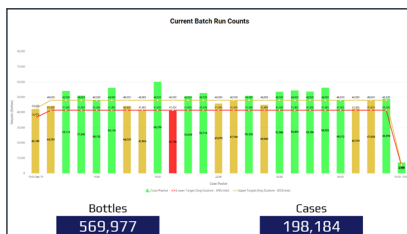
- ZPI's software-based system can be installed and commissioned with zero production line downtime
- How is this possible? ZPI requires no proprietary hardware and no PLC programming changes.
- Systems that require additional hardware and / or PLC programming changes can require hours or even days of downtime for installation and commissioning.

UNLIMITED ACCESS & REPORTING

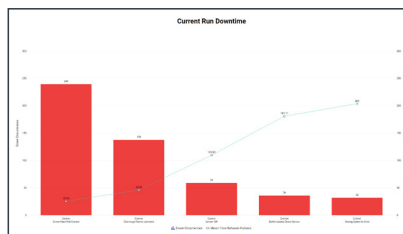
- ZPI provides unlimited access, unlimited monitoring, unlimited reporting and unlimited reporting formats for every ZPI enabled production line.
- ZPI can be accessed by virtually any device for line monitoring or reporting.
 - HMI's, workstations, laptops, smart phones, smart watches, tablets, Andon boards...
 - Apple, Microsoft and Android compatible.
- Easily access, review or analyze production line and equipment performance for:
 - The last hour, the last shift, the month, the quarter, the last year.
 - Compare shifts, compare weeks, compare actual to planned, identify recurring patterns, identify root downtime causes.

WORLD CLASS SUPPORT

- ZPI's software development and customer support teams are staffed by highly trained personnel.
- No external resources are used for software development, project programming, testing, system installations or customer support.
- Every request for support is assigned to a ZPI expert.
- The assigned ZPI expert takes 100% ownership of the request and follows the request through to closure.



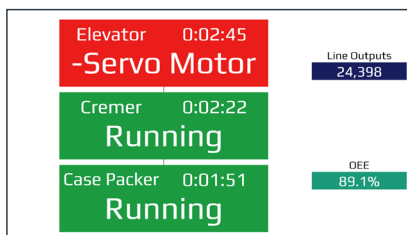
KEY PERFORMANCE INDICATORS (KPI)
KPI data and charts tell the true story of a production line. Increased employee awareness helps drive engagement.



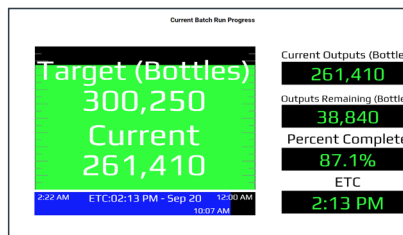
UNPLANNED DOWNTIME ANALYSIS
ZPI provides real time data that focuses attention on sources of downtime and root causes.



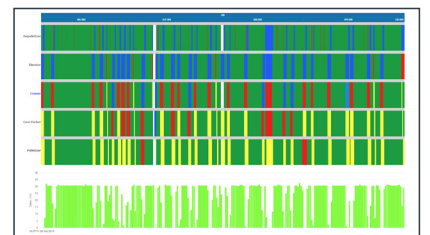
ENTERPRISE REPORTING
Unlimited access, unlimited reporting and global support.



OVERALL EQUIPMENT EFFECTIVENESS (OEE)
ZPI supports multiple OEE calculations including customized and unlimited reporting formats.



SCHEDULING EFFICIENCY
ZPI can interface with production scheduling and ERP systems to monitor and track production versus targets.



LIVE DATA & ALERTS
ZPI provides customized, real-time line condition production alerts to help accelerate troubleshooting and reduce downtime.