



S&amp;I

 SYSTEMS &  
INTEGRATION

## PACKAGING LINE DATA COLLECTION & REPORTING



### Empowering manufacturers to identify and eliminate root causes of line downtime

ZPI Monitor & Report is a software-based production line data collection, monitoring, and reporting system that lives on a customer's local area network.

Using Monitor & Report, customers can capture and analyze packaging line performance data in real time, identify the root causes of line downtime, and then implement corrective actions to eliminate it.

This software solution 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.

Monitor & Report is used worldwide by customers of all sizes from various industries, including ready-to-drink beverages, beer, baked snacks, frozen pizza, candy, ground coffee, canned meats, nutritional products, yogurt, automotive fluids, paint, and pharmaceutical products.

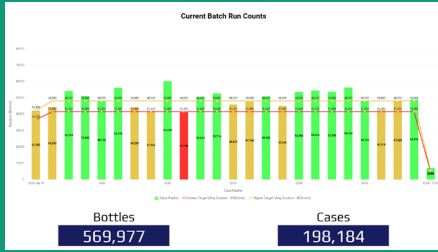
#### FEATURES AND BENEFITS

- Return on investment (ROI) measured in months or even weeks.
- Implementations are turnkey and completed by ZPI experts, not third party contractors.
- Software based solution with no proprietary hardware required.
- System operates securely on the customer's local area network.
- Seamlessly integrates with existing networks and 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.



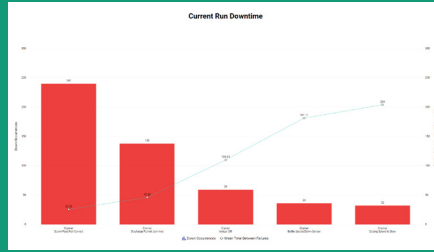
MONITOR & REPORT™

# PACKAGING LINE DATA COLLECTION & REPORTING



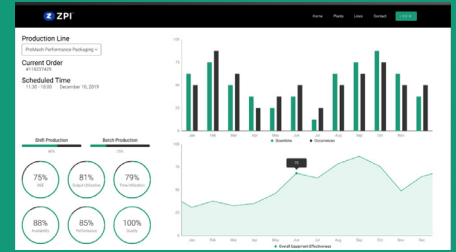
## KEY PERFORMANCE INDICATORS (KPI)

KPI data helps drive engagement by increasing employee awareness of performance on the line.



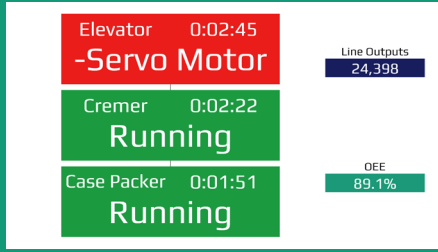
## UNPLANNED DOWNTIME ANALYSIS

Monitor & Report provides real time data that focuses attention on the sources of downtime.



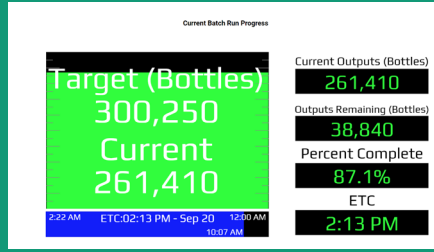
## ENTERPRISE REPORTING

Unlimited access, reporting and global support.



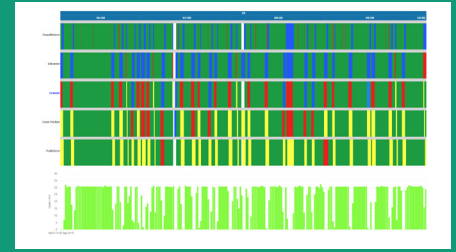
## OVERALL EQUIPMENT EFFECTIVENESS (OEE)

KPI data helps drive engagement by increasing employee awareness of performance on the line.



## SCHEDULING EFFICIENCY

Monitor & Report can interface with production scheduling and ERP systems to monitor and track production versus targets.



## LIVE DATA & ALERTS

Customizable, real time line condition production alerts to fast track troubleshooting and reduce downtime.

## NO DOWNTIME INSTALLATION

- Monitor & Report's software-based system can be installed and commissioned with zero production line downtime.
- No proprietary hardware or PLC programming changes.
- Many alternatives to ZPI's Monitor & Report require additional hardware or PLC programming changes which need hours or even days of production downtime for installation and commissioning.

## WORLD CLASS SUPPORT

- Our software development and customer support teams are staffed by highly trained personnel.
- Our in house experts are involved in all software development, project programming, testing, system installations and customer support.
- Every support request is assigned to a ZPI software solution expert who maintains ownership of the request from start to finish.

## UNLIMITED ACCESS & REPORTING

- Monitor & Report provides unlimited access, monitoring, reporting and report formatting for every production line.
- Can be accessed from virtually any device
  - HMI's, workstations, laptops, smart phones, smart watches, tablets, Andon boards, etc.
  - Apple, Microsoft and Android compatible
- Easily access, review or analyze production line and equipment performance for any time period.
- Easily compare data to identify recurring patterns and identify the root cause of downtimes.

## PROVEN & PREFERRED SOLUTION

- Monitor & Report supports hundreds of production lines in more than twenty countries.
- Over 95% of multi-location customers use Monitor & Report on multiple production lines in numerous facilities.

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