



**FreePoint**<sup>TM</sup>  
Technologies Inc.

**Overview of**

 **ShiftWorx**  
*by FreePoint Technologies*

# Who We Are



## FreePoint's Production Floor Platform - *ShiftWorx*

- Fully customized modular suite of products
- Toyota Production System (TPS) expertise
- Measures & Monitors critical production areas
- Managed Services included
- Cloud-connects equipment of any age, type or brand

# Manufacturing Shopfloor Problems



## Manufacturers Leave Profits on the Shopfloor

- Lack of machine data visibility rarely improves critical errors on the production floor
- Shopfloor is disconnected from the front office
- Insufficient training causes delays and exposes safety and quality issues
- Frequent unplanned downtime reduces production output and profitability



“The total cost of unplanned downtime for all the process industries worldwide is easily in the range of **\$1 trillion.**”



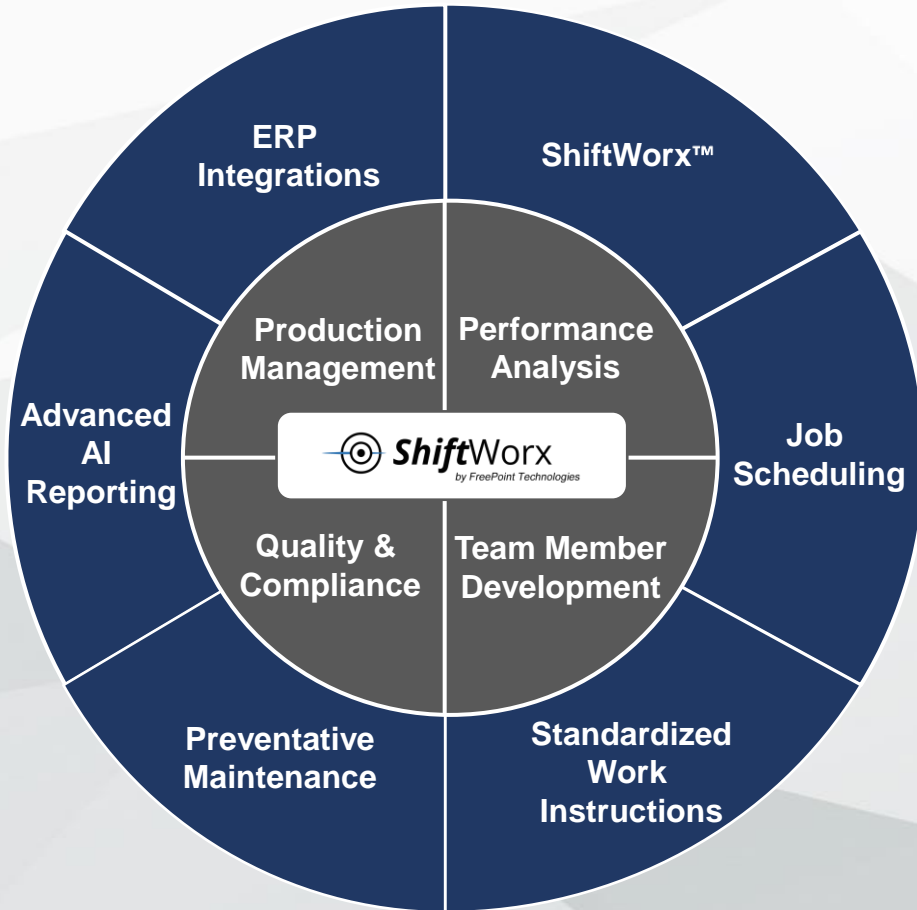
*International Society of Automation*



# ShiftWorx Solution



FreePoint's Production Floor Platform – **ShiftWorx** is a unique grouping of modules, providing an end-to-end holistic solution for continuous improvement across the production floor.



## Production Management:

Real-time information on machine performance, jobs, and operator workforce

## Performance Analysis:

Metrics at the machine, line or plant for historical, situational and predictive insights

## Quality & Compliance:

Benchmarking, standards and procedures to meet audit and compliance regulations

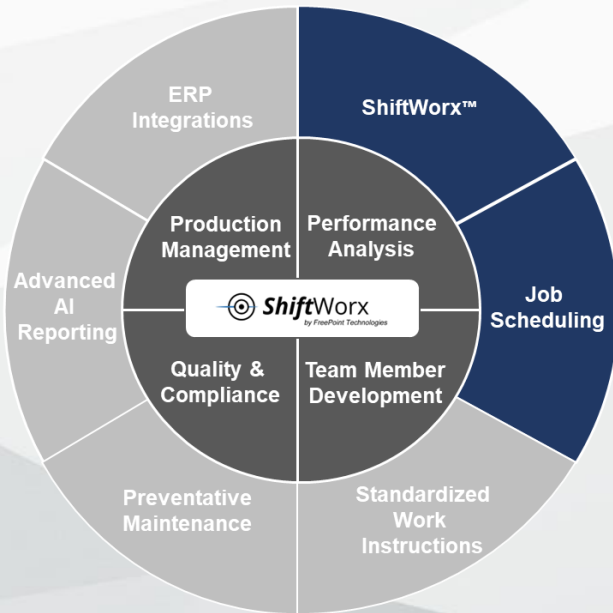
## Team Member Development and Performance:

Operators have better tools for creating value added work

# Modular System Options



## Getting Started



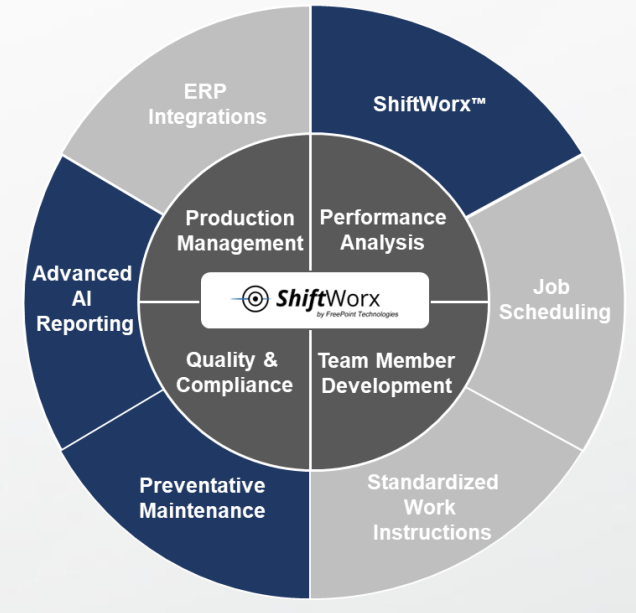
Start by getting on the path. Learn from the data and adopt modules at your pace.

## Roadmap Plan



Build your own Roadmap for implementing a configurable production floor system that meets all your needs.

## Just What You Need



Design the right-fit modules that complement your current technology platforms.

# Why We Are Different



1

## Fully Configurable



Configure all your dashboards, KPIs, reports, and custom expressions to personalize all your display preferences.

2

## Managed Services



We take care of all your set-up, configurations, reporting and dashboards to get you started. Then, we continually support you to help you maximize the full benefits of **ShiftWorx**.

3

## Toyota Production System (TPS) Expertise



We include a unique offering of TPS experts to help you combine your machine data with continuous improvement.



## ShiftWorx Machine Monitoring

Measure your critical production areas with FreePoint's **ShiftWorx** solution. Our Patented machine monitoring system cloud-connects equipment of any age, type or brand providing real-time data and actionable results.



- Platform Access
- Data Visualization
- KPI Display
- Report Builder
- Narration
- Reason Codes
- Operator Tracking
- Job Tracking
- Job Assignment
- Multiple Custom Views
- Scrap & Waste Logging
- OEE Reporting
- Status-at-a-Glance Reporting

## How Manufacturers Use Machine Monitoring Today

- A** : Do not have solutions, and never achieve continuous improvement required to increase production and profitability
- B** : Manufacturers rely of their ERP to collect cursory, historical data that does not provide in-depth, real-time visibility
- C** : Paper based monitoring and whiteboard notations are also common but lead to many inaccuracies and inefficiencies

## How FreePoint Improves Machine Monitoring

- 1** : Provides a complete real-time, actionable view of your machine performance data
- 2** : Gives the Operators complete control to identify machine downtime by planned vs. unplanned activities
- 3** : Provides complete performance evaluations and reporting for: a single machines, groups of machines and multiple locations.

# Job Scheduling



## Job Scheduling

We provide a configurable KPI system based on whatever job you are running

We also provide a visual (drag & drop) job scheduler to illustrate all jobs, due dates and process conditions



### Job Manager

- Job Info Collection
- Sets Rules & Priorities
- Assigns Jobs to Machines

### Job Viewer

- Manage / Change / Shift jobs with flexibility

## How Manufacturers Use Job Scheduling today

- A** : They set up work orders in their ERP and then utilize either excel spreadsheets or production floor white boards to job schedule
- B** : Usually, a single person is responsible, which causes disruption in re-scheduling when job interruptions occur
- C** : Paper based job scheduling at the Operator level is still common

## How FreePoint Improves Job Scheduling

- 1** : Provides better job visibility, faster production cycles, and shared job planning across your organization
- 2** : Read-only swim lanes for each machine to help forecast upcoming jobs
- 3** : Integrates with **ShiftWorx** and your Business Systems to show your machine utilization

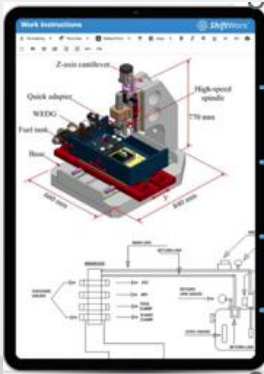


# Standardized Work Instructions

## Standardized Work Instructions (SWI)

SWI designed to have consistent work process templates for timely, repeatable work.

Provides digital SOP templates and configurations to meet customers' specific work instructions. Includes checklists for quality, auditing and compliance.



- SOPs
- Checklists
- Templates
- Images & Videos
- Work Instructions
- Safety Inspection
- Training
- Web links

## How Manufacturers Use SWI today

- A**: Many are not using standard work and training based on historical knowledge and Operator know-how
- B**: Work instructions and not detailed enough are presented in a Word document that is typically out of date
- C**: Online training occurs with no follow-up

## How FreePoint Improves SWI

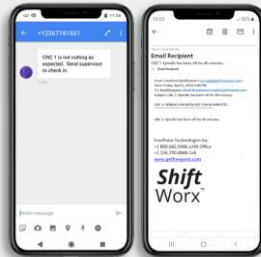
- 1**: A digital resource center for training, auditing and work instructions
- 2**: We help with consistent auditing processes for all team members, machines and jobs
- 3**: Create standardized work and visuals easily so manufacturers improve quality work, increase safety and reduce costs

# Preventative Maintenance



## Preventative Maintenance

Solutions to provide the right information to maintenance crews to rapidly address issues or abnormalities. Provide specific sensors to monitor maintenance processes for vibration, temperature, etc. so you can better manage preventative maintenance. Also, can be used to benchmark maintenance reaction times and improve uptime performance.



- Digital Andon Call Box
- Mobile Notifications
- Vibration Sensors
- Temperature Sensors
- Voltage Meters

## How Manufacturers Use Preventative Maintenance today

- A** : Operators usually walk to find the maintenance crew member when breakdowns occur
- B** : Operators call a supervisor and supervisor gets maintenance involved leading to lengthy downtime
- C** : Operators try to fix the issues themselves

## How FreePoint Improves Preventative Maintenance

- 1** : Identifies abnormalities and process issues on a daily, weekly, quarterly and annual basis
- 2** : Pro-actively identifies areas of preventative maintenance
- 3** : Improves and monitors maintenance reaction time

# Advanced AI Reporting



## Advanced AI Reporting

Fully integrated advanced Generative AI designed to deliver expert-level Data Analysis, transforming simple natural language instructions into sophisticated data analysis and insights. This intuitive system requires no previous user knowledge of data analytics, seamlessly identifying, executing, and presenting the most relevant analysis in minutes.



- Optimize Production Operations
- Trends Analysis
- Downtime Reason Analysis
- Operator Performance
- One-Time/Scheduled Reports
- Predictive Maintenance
- Time/Day Efficiencies
- Visualization Creations
- Statistical Anomalies
- Assisting **ShiftWorx** Features

## How Manufacturers Use Reports today

- A** : Manual calculations – take too much time away from production work
- B** : Last minute report building – leads to inaccuracies
- C** : Limited reports that fail to provide sufficient detail to solution the root problems

## How FreePoint Improves with AI Reporting

- 1** : Provides a Generative AI ‘expert’ that can compute complex calculations within seconds
- 2** : Sets scheduled reports and deepens any analysis without the help of a data analyst
- 3** : Delivers mission-critical reporting and benchmarking to help make data driven decisions

# ERP Integration



## ERP Integration

**Shiftworx** can connect to any business system so that all authorized employees can view real-time production floor and job performance. Our integrations reduce cycle times for planning, scheduling and machine reporting.



- Connect to public APIs or Custom APIs
- Seamless integration to deliver work orders to ShiftWorx...with results delivered back to ERP

## How Manufacturers Use ERP Integration today

- A** : Many manufacturers don't have integrations leading to disparate data reports and insufficient information
- B** : Manufacturers use public APIs for some of their integration
- C** : Some manufacturers don't have an ERP but use other business systems.

## How FreePoint Improves ERP Integration

- 1** : FreePoint provides a Public API access, partial integrations and full integrations
- 2** : Our Professional Services team identifies, builds and maintains all integration types based on your specific requirements
- 3** : Our integrations require minimal effort from your team. Our experienced team will support and deliver according to your operational requirements

# What Our Customers Say...



At ITW Ramset, we are proud to be working alongside Shiftworx™ in delivering an easy-to-use, user-friendly, customizable Manufacturing Operations Platform to support our business needs. It works in real-time on a range of devices such as PCs, Laptops, Tablets, TVs, and mobile phones.

From a quality and compliance perspective, we are very pleased with checklists, cost of scrap, and batch number record keeping for traceability. The scheduling system is easy to use. Operators and Production KPI's performance matrix is easy to read with a large variety to choose from. Andon alerts help drive fast response times to support our manufacturing floor and reduce unnecessary delays.

We're looking forward to the new upgrade to the OEE% reporting coming in early 2024 as this will help drive our QMS (Quality Management Systems and Reviews).

***Sapphira Chalkley: Ramset Dry Division  
Continuous Improvement & Quality Engineer.***



# What Our Customers Say...



“Feature rich management system with exceptional ROI. Easily deployable by anyone with reasonable ability to follow directions. Dashboard visuals require less setup than many other systems and are focused on real business needs.

The price is extremely affordable, and you're not forced to use proprietary hardware beyond that which is needed to communicate to the cloud backend.”



“Overall, ShiftWorx was easy to install, customize and use to monitor and identify ways to improve productivity. The software also allows you to quickly see variances both over time and compared to similar equipment and take corrective actions if needed.

We have made an overall machine efficiency improvement of 15% in the last 2 years using ShiftWorx to monitor the progress.”



“Understanding the reasoning behind our downtime improves the efficiency of the machine. Measuring the efficiency of a machine is critical to our business and then being able to understand the reasons behind downtime improves on our efficiency.”



“We have had a great experience with ShiftWorx and their crew of people who support the system. Added features we needed were implemented and it's a tool we use daily. Good customer service which made choosing ShiftWorx easier.”

# Getting Started



**Contact us today to get a free evaluation  
from our manufacturing experts**

Call Us: +1.226.663.2289  
Toll Free: 1.800.682.0486

**or**

[shiftworxmes.com/contact/](http://shiftworxmes.com/contact/)

## Getting started is easy

- 1 FreePoint's manufacturing experts conduct a ShiftWorx demonstration to ensure our solutions match your immediate and future needs
- 2 Our team of manufacturing experts provides a Mutual Project Plan that includes:
  - a) Collaboratively reviewed solution description
  - b) Rough order of magnitude (ROM) pricing
  - c) Detailed next steps
- 3 Upon project acceptance, we will send you the Services Agreement