PRODUCTIVITY (OEE) TRACKING & REPORTING

Quickly and easily connect any type of -modern or old- equipment for automated reporting on downtime, speed and quality/yield, providing real-time detailed productivity data and actionable insights to react faster, make better decisions, and drive productivity improvements.

Main Features

OEE monitoring: Closely track availability, performance and quality to assess overall equipment effectiveness (OEE) at the individual machine level and in real-time.

Understand reasons for productivity losses: Operators can easily categorize downtime events, production slowdowns, or scrap issues by selecting the appropriate reasons or causes from customizable drop-down menus.

Monitor performance remotely: Management can access historical and live performance data from anywhere in the world on PC or mobile devices.

Set up alerts: Be notified in real time when problems occur such as breakdowns, unusual slowdowns, yield decline, or failure to meet the day's production or productivity targets.

Identify the best and the worst performing equipment or work centers and develop a fact-based and actionable understanding of the reasons behind the difference in performance.

Track progress over time: Take advantage of the built-in and easy to use data analytics platform to assess performance over time and compare results obtained before and after continuous improvement initiatives.

Use Cases

Monitor and Improve Overall Equipment Effectiveness (OEE)		
Availability or Uptime	Performance or Speed	Quality or Yield

‣ **Improve productivity:** Monitoring performance in real time can help improve productivity by 10% to 20% by keeping people focused and by facilitating the decision-making process that allows teams to improve operations continuously.

‣ **Improve responsiveness:** Displaying critical KPIs and possible issues in real time on screens throughout the factory, and launching automatic alerts in case of issues, enables more rapid reaction to events or performance issues.

‣ **Better understand issues:** Detailed and accurate historical performance data allows for a better understanding of changes in performance over time or differences in performance between machines or work centres.

‣ **Benchmark:** Compare your factory to other plants in the organization or to leading companies within or outside of your industry, based on the OEE key performance indicator.

About Gemba Systems Inc.

Gemba Systems Inc. supports manufacturing companies in the digitalization of their operations, especially focused on improving their manufacturing execution systems. We help companies navigate the complex and fast-evolving landscape of "smart manufacturing" and the Industrial Internet of Things. We offer guidance, tools, and hands-on support in the selection and implementation of those industry 4.0 technologies that will best support our clients' most critical business processes, and the people who perform them.

People

Our expert team will guide you through your digital transformation and operational excellence journey with the following services:

- Digital strategy development and execution support
- Needs assessment and opportunity prioritization
- Cost / benefit analysis, ROI assessment, and project justification
- Functional specifications development
- Vendor selection
- System implementation and integration
- User training and support
- Project planning and execution support

Processes

Gemba Systems will help you achieve your digitization, digital transformation, and operational excellence goals by implementing effective and efficient processes that deliver the best total return and realize the intended value of your solutions, from planning and assessment through testing, deployment, operation, and continuous improvement.

Technology

Gemba Systems Inc. offers guidance, tools, and hands-on support in the selection and implementation of proven or promising Industry 4.0 technologies, such as augmented reality (for digital work instructions and inspections, remote technical assistance or warehousing operations), real-time asset location tracking, productivity (OEE) reporting, advanced planning and scheduling, and more.

For more information, please visit www.gemba.systems or contact us at alain@gemba.systems.