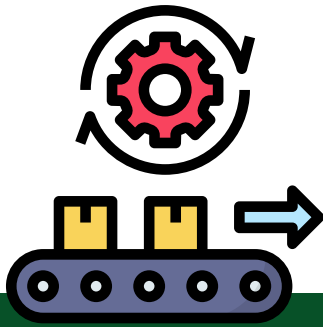




Servo Dynamics
Pte Ltd



IMPORTANCE OF SHOP-FLOOR EQUIPMENT MONITORING

- Maintain competitiveness
- Real-time access to on-site activity
- Manage site equipment availability
- Task allocation
- Improve manufacturing processes
- Manage communications on all levels
- Improve reaction time
- Line efficiency

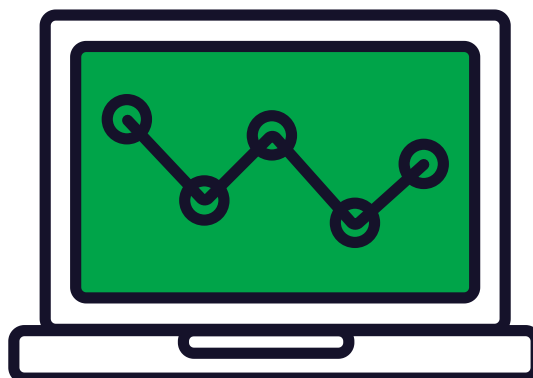
ISDN SHOP-FLOOR EQUIPMENT MONITORING

BY SERVO DYNAMICS

It is important to remain competitive in the manufacturing sector. As such, having real-time access to on-site activity can help companies gain an edge over the others. Managing site equipment availability and task allocation, for example, are some of the critical aspects of imp and ROI within the organisation.

ISDN's shop-floor equipment monitoring solution is created to improve manufacturing processes. It helps manage communications between all levels of personnels within the businesses as well as monitor manufacturing data and production. Shop Floor Monitoring improves reaction times to disruptions in production, thus reducing production lead-time.

The Shop Floor Monitoring Solution is a data collection system that allows users to feed scheduling systems with real-time data. Line efficiency, order execution and machine statues can now be tracked in real-time. The system also provides OEE and KPI calculation and statistics related to production and potential downtime.



KEY HIGHLIGHTS OF THE ISDN SHOP-FLOOR EQUIPMENT MONITORING

- View operations in real time
- Plan, schedule and track tasks
- Real time response to downtime in production
- Waste reduction
- Ensure everything is in order through the OEE measurements and KPI

FEATURES OF THE ISDN SHOP-FLOOR EQUIPMENT MONITORING

Monitor Machine Performance in Real Time

Dashboards function in real time. Users are able to view the complete shop floor operations, helping them plan and schedule /track tasks as well as ensure machine efficiency. Benefits are as follows:

- Real-time response to downtime in production
- Overall visibility of shop floor resources via alerts and notifications
- Waste reduction and improved performance

Order Status Monitoring

Users are able to monitor equipment and manufacturing status on the shop-floor to make sure everything is in order via Overall Equipment Effective (OEE) measurements and Key Performance Index.



KEY HIGHLIGHTS OF THE ISDN SHOP- FLOOR EQUIPMENT MONITORING

- Accurate and actionable data
- Higher OEE results in better production levels at the factory
- ISDN Software helps to evaluate factory requirements and propose solutions
- Real-Time Machine Status and Individual Machine dashboards show analysis of the OEE
- Help business reduce equipment downtime

FEATURES OF THE ISDN SHOP-FLOOR EQUIPMENT MONITORING

OEE and KPIs

OEE is used to measure the efficiency of the manufacturing process in the production plant. Data delivered are both accurate and actionable for users in the management of their production plant, workshops or workstation for a significant boost in productivity.

Higher OEE results in better production levels at the factory, specifically if applied properly. Businesses with OEE matrices work well with lean manufacturing programs.

ISDN Software helps users to evaluate factory requirements, propose a solution and the specifications required to increase your factory's OEE. Data is then automatically collect in real time on a common platform and presented in specific ways to different personnels. Information given is standardised, ensuring that data is consistent and easily read / interpreted by users.

Real-Time Machine Status and Individual Machine dashboards show analysis of the OEE. Users can extract information on machine and job status as well as summary information on the manufacturing process. This enables users to identify Top and Worst performers, and thus allocating more resources to the system that needs the most attention for improvements.

Charts can be downloaded from the work center as well as the individual user's devices on selection of Work Center and Machines, extracting information and allowing modification according to history of events.

Predictive Analytics

Help the business reduce equipment downtime or failure and improve manufacturing efficiency through predictive analytics obtained during operations.

