SF HAWK

SMARTER FACTORY, BRIGHTER FUTURE

GET TOMORROW-READY. TODAY.

- Respond to the changing world with out-of-the-box thinking.

- Harvest actionable insights from across the factory.

- Use better-quality, real-time data to improve decision-making.

- Boost productivity, optimize operating costs and capital investments.

- Accelerate adoption of "Industry 4.0" in your business.

In your factories, are managers consistently able to:

1 Optimize utilization of expensive shopfloor assets?

2 Improve machine productivity and tool life without much human input?

3 Use data analytics to get business insights?

4 Make proactive decisions to increase ROCE?

If not, then your factory is not "tomorrow-ready".

We equip your factories with the capability to take focused, data-driven actions that deliver higher productivity gains.

Optimize your factory's performance with the confidence of data-driven insights from across the shopfloor

Optimizing factory performance requires the right information about utilization of equipment and people. In the past, such analysis have been made using stale or biased data simply because reliable data was unavailable. This has often impacted quality and timeliness of improvement decisions, leading to sub-optimal ROI.

Our innovative solution empowers executives with granular, reliable and real-time data to make decisions. This overcomes the pitfalls inherent in the old ways of working and prepares the company for tomorrow's imperatives.

The sfHawk© solution enables factory managers, shopfloor supervisors and operators to make *timely, informed decisions* based on *objective data* about machine uptime; tool health; productivity of machines, lines, and operators; quality; throughput etc. *By gathering data from individual machines in real-time*, it keeps a hawk-like eye on their performance.

Incorporating state-of-the-art technologies such as *Artificial Intelligence*, the solution has a *modular architecture*. Its various modules track efficiency / productivity, maintenance, quality, and energy management. Based on a factory's needs, modules can be easily added. All data are stored *securely on your on-premise servers*, with anytime, anywhere access for authorized personnel.

- **Productivity Monitoring Solution**
  - Realtime OEE monitoring
  - Tool life monitoring
  - Spindle load monitoring
- **Quality Monitoring Solution**
  - Realtime data integration with gauges
  - Live SPC charts
  - Auto wear offset correction
- **Parts and Process Traceability Solution**
  - Tracking of part movement and process parameters
  - Interlock with machines for process control
  - No additional hardware required
- **Machine Maintenance Solution**
  - Condition monitoring
  - Preventive maintenance
  - JH check sheets
- **Production Planning (PPC) Solution**
  - Production planning tool
  - Advance intimations for upcoming setups
  - Live production status dashboard
- **Energy Monitoring Solution**
  - Energy consumption monitoring and analysis
  - Energy based process controls
  - Abnormal energy consumption detection

Each module provides actionable insights about key facets of the factory's performance (e.g., machine health, worker productivity, need for scheduled maintenance etc.). The sfHawk© solution comprises of two elements, the first is the Vajra, the Edge platform which is a versatile and scalable data collection device. The second is a powerful proprietary analytics platform.
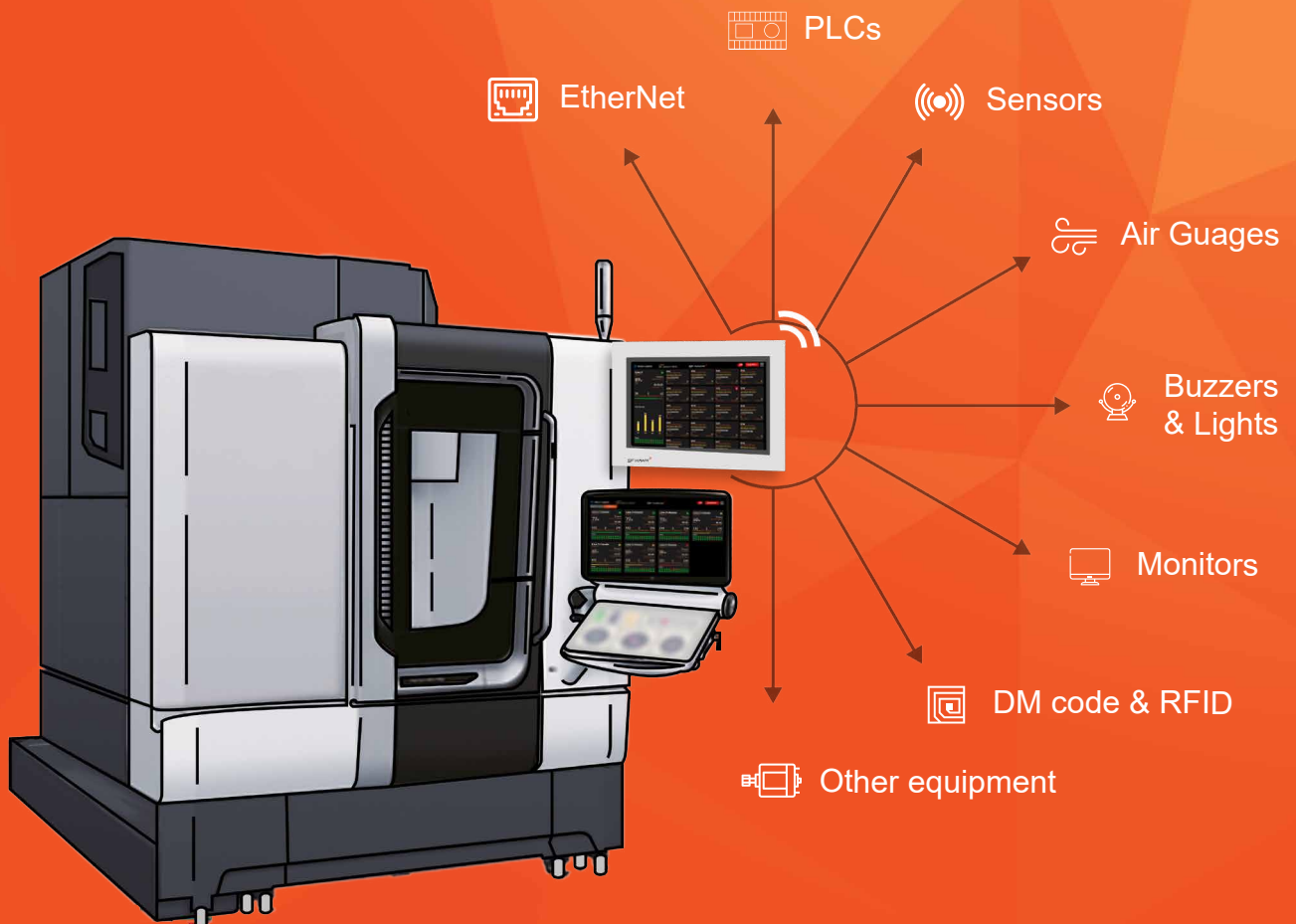
How
SF HAWK
works

Vajra - The Edge Platform

The Vajra is connected to individual CNC machines and peripheral equipment such as gauges, compressors, sensors etc. The Vajra collects and wirelessly transmits a range of operational data to servers. The touch screen available in the Vajra becomes the primary communication mode for the operator which allows him to enter process details and receive automated alerts and instructions. The edge computing capabilities of the Vajra make the machine and the line smarter, thereby ensuring better process adherence.

PLCs

EtherNet

Sensors

Air Guages

Buzzers & Lights

Monitors

DM code & RFID

Other equipment

sfHawk© Analytics Platform

Our analytics platform analyzes the data collected and presents a real-time view of the operations and assets on various dashboards. The solution can be configured to send alerts so that timely actions can be initiated, and progress monitored remotely. The platform also has AI (Artificial Intelligence) capabilities which can help provide predictive alerts for proactive actions.

Irrespective of how large or small your machine shop or factory operations are, the solution identifies specific actions that you can take to improve uptime, enhance OEE of individual machines/lines, optimize energy consumption, trace components, monitor tool level wear-and-tear, measure operator productivity and monitor quality.

sfHawk© is a robust, intelligent, data-driven, cost-effective, proven solution that can tangibly enhance your factory's ROI.

10 REASONS
why we are ideal for your business.

Improve OEE: sfHawk© provides continuous visibility of OEE and production losses based on accurate, real-time data. This enables timely decisions and actions to improve uptime, operator performance and quality.

Speedy implementation: sfHawk© is quick and easy to install. It is wireless, and so does not need any additional cabling or wiring. This means no disruption during installation.

Ease of use: The solution has an intuitive and user-friendly interface, making it easy to use. A mobile app enhances anywhere, anytime access.

Data security ensured: Several security measures exist at the network, communication and platform levels. Additionally, all data reside in on-premise servers.

Global connectivity standards: sfHawk© uses the MTConnect and other industry standard protocols, which enables seamless connectivity with a wide range of equipment.

Compatibility: The solution also works with older generation equipment that does not have ethernet ports.

Broad decision support: sfHawk© offers rich dashboards that give you actionable insights to enhance machine and line efficiencies, save costs and improve uptime. Role-based alerts and escalations trigger timely decision-making and actions.

Reduce human error: Through process automation and process alerts, sfHawk© minimizes the need for decision-making by operators (e.g., tool offset correction, inspection alerts).

ERP integration: The sfHawk© platform can be easily integrated with the existing ERP system your business uses.

Fast ROI realization: Customers have fully recouped their investment in the solution through savings generated in as little as one quarter.

WHAT GAINS CAN YOUR TOMORROW-READY FACTORY EXPECT WITH US?

sfHawk© is already helping customers in the Automotive and Auto component industries realize tangible value:

10-15%
improvement in uptime

5-10%
reduction in tooling cost

3
months ROI

LET'S HELP OUR NATION BECOME GLOBAL MANUFACTURING HUB!

Love for our country and Passion for technological innovation and its democratization

sfHawk© is a part of InnovaPoint Infotech, which has consistently delivered innovative solutions to overseas customers in the manufacturing space since 2005. Guided by the philosophy that "no mountain is too tall to climb", we have co-created sfHawk© with industry experts and customers. This enabled us to understand the multi-dimensional challenges of managing a factory, in turn leading us to create a robust solution that delivers significant, multi-faceted value to large and medium manufacturing companies. Our commitment to democratizing technology makes our solutions affordable to smaller manufacturers and independent machine shops as well.

InnovaPoint Infotech Pvt. Ltd.
Unit. 104, Supreme Headquarters, Above Tata Showroom,Off Mumbai
Bengaluru Highway, Baner, Pune, Maharashtra 411 045, India

📞 + 91 9112098351
✉ inquiry@innovapoint.com
🌐 www.sfhawk.com

facebook.com/SFHawk

linkedin.com/company/sfhawk

instagram.com/sfhawk_

twitter.com/sfHawk_