

DIGITSO FUTUREWISE

CORPORATE PROFILE

What We Do ?

Digitizing shop floor from paper based processes to data driven digital platform

Our Capabilities On Data Acquisition

- CNC , VMC machines
- Special Purpose Machines
- SCADA System
- Connectivity Solutions from old mechanized machinery and make IOT ready



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Applications In The Ecosystem



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Production Scheduling & Monitoring

A Leading Automotive components Manufacturer enquired whether their daily production quantities can be determined and stored as computer records or viewed through Computer Software, which is acquired directly from the CNC machine.

- ⚡ We have Interfaced a hardware that detects CNC start & stop operation and transfer to Web app.
- ⚡ We have developed a web application to receive signal data from CNC machines, Plan production Quantity required from the machine and track the quantities Live.
- ⚡ Developed a Mobile App for production in-charge to enter the GAP reasons (why target for that hour is not met) and that reason is captured in the Web.
- ⚡ Plan Vs Actual data is acquired and reports are generated on date range / shift wise / operator wise.



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Cutting Tool Monitoring

A Leading Automotive components Manufacturer enquired whether we can quantify cutting tools based on the operations (roughing, finishing, face grooving) etc.

- ✔ We have Interfaced a hardware that detects CNC start & stop operation and transfer to Web app.
- ✔ A web application used to configure the life of each cutting tool based on the operation.
- ✔ As the hardware keeps track of CNCs start & stop operation the Life of Cutting tool is tracked.
- ✔ Reports are generated based on the
 - Different Operations performed
 - Usage of every cutting tool types are determined
 - Ability to determine the Production Vs Usage of cutting tools



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Quality & Inspection Management

A Leading Automotive components Manufacturer enquired whether we can develop an Mobile App to capture FOI – MOI – LOI, Poke-Yoke checklist data from the User

- ⚡ We have developed an Web App and Mobile App
- ⚡ In the Web App we configured the Characteristics & Dimensions and schedule when it should popup
- ⚡ In the Web App we configured the P-Y-Checklist & scheduled
- ⚡ Users Entered the F-M-L and PYC in the Mobile Apps.

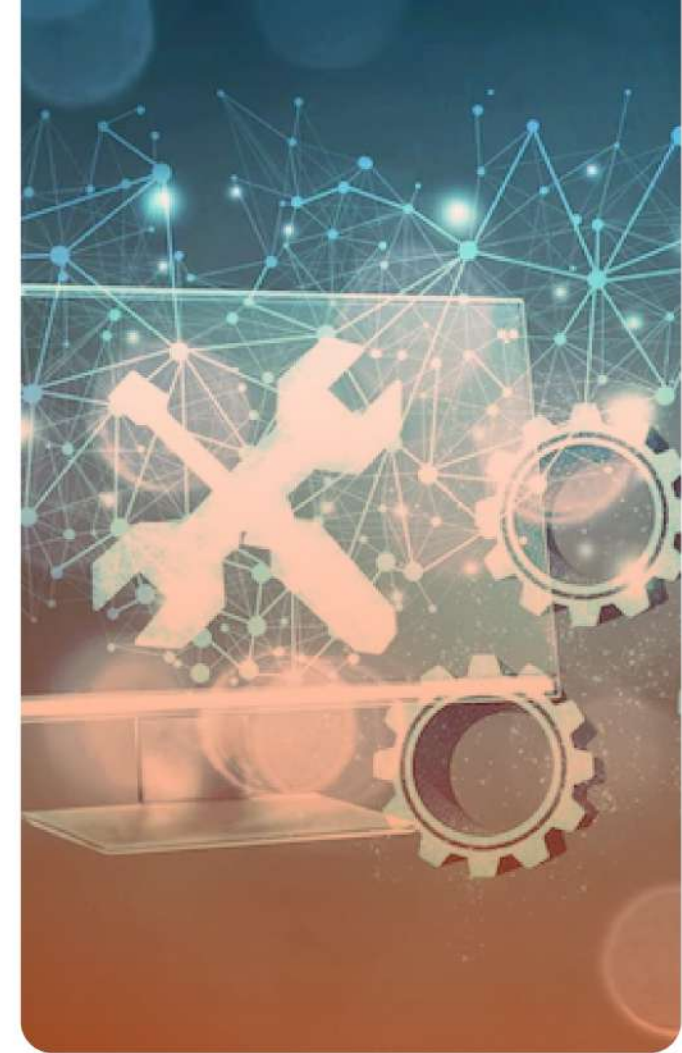


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Preventive Maintenance Management

A Leading Automotive components Manufacturer enquired whether we can Generate QR Codes for Equipment & perform maintenance activity

- ⚡ We have developed an Web App and Mobile App
- ⚡ In the Web App we configured the Maintenance Checklist and schedule when it should be performed
- ⚡ In the Mobile App, when QR code is scanned the Checklist is displayed for the User to log activities
- ⚡ Abnormalities are tracked as part of the Inspection procedures



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Live Dashboards

A Leading Automotive components Manufacturer enquired whether we can Display a Live Dashboards on WAR rooms & Shop floors ?

- ✔ We have developed an Web App and Computed data from various sources to show the dashboard.
- ✔ Our Dashboard is one of its kind, It's a Rolling Dashboard its not only displays the Production Metrics, Quality & Machine Availability but also capable of converging data from 10 different production Lines and show it in a single platform.



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Digital Andon Systems

A Leading Automotive components Manufacturer enquired whether we can Display an ANDON System to Show the Status of production data.

- ⚡ We have developed an Embedded System Based ANDON with display.
- ⚡ This piece of Equipment tracks the Product Information and verifies with SCADA system to display the product Information on the shop floor.
- ⚡ In the Event of warning the ANDON system displays it accordingly.



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Digital Data Loggers

A Leading Automotive components Manufacturer enquired whether we can record Furnace temperature to avoid using paper based Chart recorders

- 🔌 We have developed a Web application that logs the temperature trends
- 🔌 All the Sensor data are captured and shown as a LIVE chart
- 🔌 These Temperature trends are downloaded as PDF , EXCEL based on the date range.



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