



Weave Profits
into your Business

On line Monitoring System for Weaving



Since its inception in 1993, Datalog has installations in India, Indonesia, Rwanda, Mauritius, Bangladesh, Thailand, Madagascar, Egypt, Mexico, Ecuador, Argentina, Colombia, Nigeria, Turkey, Malaysia, USA, Morocco, Tunisia, Nepal, Spain etc.,



About Us

Datalog Technologies Pvt Ltd is a global leader in online monitoring systems for Textile Industries - weaving, weaving preparatory, processing, knitting, fabric inspection & Spinning. **Established in 1993 in Coimbatore, India.**



Young & Passionate team

A team of highly skilled R&D experts contribute to the development of state of the art monitoring systems that provide unparalleled quality and reliability at an affordable cost to customers who value long-term benefits.



Weaving

Looms | Preparatory | Processing | Fabric Inspection.



Real time Monitoring

Real time monitoring is achieved with a state of the art hardware and a web-based software.

DATALOG®

Installations



Trusted by leading mills world wide in over **450** mills on over **35000** machines

DATALOG®

On Line Monitoring System

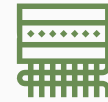


Monitor Performance & Enhance Productivity

Productivity is assured by continuous monitoring of the performance of every single Loom in the mill. Unwanted stoppages can drastically impact production schedules. That is why it is imperative to invest in DATALOG On Line Monitoring System for Looms to monitor the Weaving Shed 24X 7. Datalog system facilitates continuous monitoring of each Loom individually & collectively. Data is processed and useful reports are generated. The web based software helps in seamless running of operations, contributing to better productivity which translates into higher PROFITS.

- Integrated information of all types of looms in one software.
- Reduce Machine Down Time by Continuous monitoring.

Higher Profits through Higher Productivity



Weaving Online Monitoring System

Online Loom Monitoring System provides insight on the performance of the looms, enabling users to optimize production and improve efficiency.

Helps to identify the defects in the production process which can affect the quality produced.

A useful tool to calculate incentives based on the efficiency of the weaver and motivates to achieve better productivity.

Looms

Any Type / Any Make / Any Model / Manufacturing Any Product

Preparatory

Warping - Sectional / Direct, Sizing, Beaming, Rebeaming, Dyeing - Warp / Slasher / Rope, Stenter, Dryer & Other machines.

Processing

Dyeing, Finishing, etc.,



Data Collection from Machines

The Machine Terminal comes with an in-built microprocessor, a user friendly keyboard and display for ease of operations. The data collected from the machines are transferred to a central computer Online.

Models

- ◆ Machine Terminal with Keyboard & Display
- ◆ Machine Terminal without Keyboard & Display
- ◆ Machine Terminal with Touch Screen Display
- ◆ Machine Terminal with Fabric Defect Entry
- ◆ Machine Terminal with 18 Stop Inputs
- ◆ Machine Terminal with Loom Start / Stop Arrangement
- ◆ Machine Terminal with Tower Lamp Indication Arrangement
- ◆ Machine Terminal with Finger Print Sensor / RFID for Registering
 - ▶ Operator ID / Attendance
 - ▶ Supervisor ID / Attendance
 - ▶ Inspector ID



HMI (Human Machine Interface)

- ◆ A user friendly wall mounted 7" Touch panel interface to view Machinewise / Groupwise / Stylewise / Operatorwise Production, Stopage, Efficiency, etc..
- ◆ User can enter Long Stop Reasons and also enter Style / Beam Change.
- ◆ User can enter Roll Doff on completion of Rolls.



Web Based Software

- ◆ Web based D-Smart software collects the data from the Machine Terminals and generates various reports.
- ◆ D-Smart arranges the data in well-structured reports, which can be easily interpreted. The reports can be called through the Menu Driven User Friendly GUI Software. The software can be accessed from various nodes across the plant.
- ◆ Web based software & hence easy to access the data from within or outside the mill(during travel).
- ◆ Can be accessed from PC, TAB, Mobile etc., through Intranet / Internet.
- ◆ Data Communication from Machine to Software through a Wi-Fi Network Consisting of access point and POE Switches.

Central Monitoring System

- ◆ ERP Interface
- ◆ Automatic email - optional
- ◆ Automatic SMS & Alerts - optional
- ◆ Mobile App



Monitor

Measure

Interpret

Intervene

SWOT Analysis

Dashboard /
Scoreboard /
Large Panel Display

Rolldoff /
Automatic Machine
Start / Stop

Air Consumption
Monitoring

Power
Monitoring

WeaverZone
Monitoring

Automatic Email

Mobile App

ERP Interface

SMS Alerts

Large Panel Display

Score Board

RFID Interface

Barcode Interface

Finger Print

W
E
A
V
E



Speed > Instantaneous / Average

Quality Produced > Actual

Target vs Achieved



Short Stop | Long Stop | Other Stop > with time stamp

Stop / Hr, Cmpx, Picks (WEAVE) > Breaks / Hr > Minutes / Stop > Stop Diagram



Actual / Production >

Weaver / Fitter / Supervisor >

Trend Graph >

Efficiency Based Incentive



Air Consumption (CFM) > Instantaneous / Average > Cummulative

Power Consumption > Voltage / Current > Kwh / KVA > PF

Graphical / Text > Cost



Weaver / Supervisor / Fitter >

Automatic Weaver / Planning >

Weaver Zone Monitoring
Weaver / Supervisor / Fitter, etc...



Production > Stoppage > Efficiency > Performance > Roll Doff > Beam Planning > Customised Reports > Order / Buyer Reports

Management Reports > Crimp Report > Exception Reports > Comparison Report > Periodical Report > Long Term -True Drill Down Reports > Speed Graph > Zone Wise Reports
Weaver / Supervisor / Fitter, etc...



Overall / Shed >

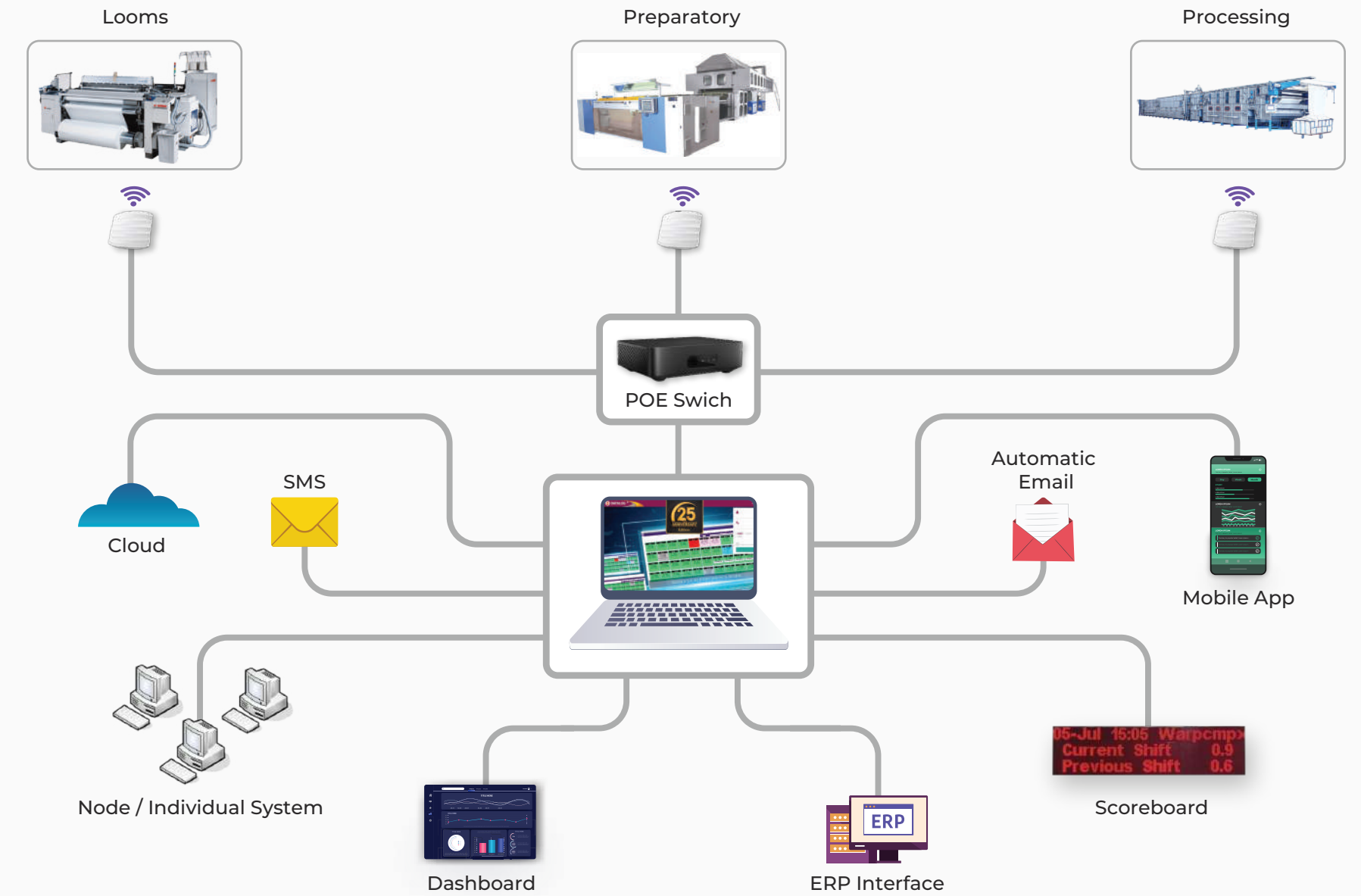
Production / Stoppage / Efficiency / Speed >

Weaver Section / Group > Power / Air Consumption

REAL TIME MONITORING SYSTEM

PRODUCTION | STOPPAGE | EFFICIENCY | AIR, POWER, STEAM & WATER (CONSUMPTION)

Network System





**OTHER PRODUCTS
ONLINE MONITORING SYSTEM FOR**



Knitting



Spinning



Fabric Inspection



Manufactured by :

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