

# Unlocking Intelligence of Things



## aXisWEAVE4.0

### SMART MANUFACTURING FOR WEAVING



# axisWEAVE4.0

## Industrial IoT solution for weaving

axisWEAVE4.0 is an Industry 4.0 product delivering deep, actionable insights to achieve **significant improvement in quality, productivity, and profitability**.

It is the only product in the market that can provide a single, integrated, and simple view of your business across all types – waterjet, airjet, rapier – and makes of weaving looms.

## Our customers are delighted with axisWEAVE4.0 because:

### High on value

- Single, unified, plant view
- Identify low performing looms quickly
- Pick loom by quality to optimise performance
- Forecast job completion to help forecast beam preparation
- Benchmark performance by operator, loom make, and yarn quality

### Low on cost

- Zero investment in IT infrastructure or skills
- Free lifetime upgrades
- 24x7x365 availability
- Pay as you use
- No lock-in
- Access online on any device, any time, anywhere



Improve productivity – operator performance benchmarking  
Loom-wise and shift-wise breakage attending time



Improve capacity utilisation by loom performance benchmarking – Loom-wise and quality-wise KPIs tracking



Tracking efficiency, production and performance  
Section view for tracking



Tracking efficiency, production and performance  
Detailed machine view for analysis

## Empowers you with



- **Loom efficiency**
  - Machine availability
  - Downtime analysis
  - Machine runtime
  - Production efficiency



- **Online automated reports**
  - Monthly, daily, and shift-wise reports
  - Quality-wise and loom-wise analysis reports
  - Production and breakages reports



- **Production analysis**
  - Production (in meters and kg)
  - Rate of production
  - Actual v/s planned production
  - Quality-wise production



- **Benchmarking**
  - Efficiency of looms for a specific quality
  - Individual loom efficiency for multiple quality
  - CMPX across looms
  - Shift-wise operator performance benchmarking



- **Breakage analysis**
  - Warp, weft, and selvage
  - Breakage record
  - Breakage in CMPX
  - Average breakage attending time



- **Consolidated dashboards**
  - Multi-plant/unit level
  - Section level
  - Machine level
  - Hierarchical views



- **Performance monitoring**
  - Machine run status
  - Warp, weft, selvage, and other stops
  - Loom speed
  - Temperature and relative humidity



- **Track KPIs**
  - Production
  - Availability
  - Run time and downtime analysis



- **Resource consumption analytics**
  - Energy consumption analysis
  - Specific energy consumption (Units/meter, units/1000 picks)
  - Air consumption analysis
  - Water consumption analysis



- **Manual entry**
  - Quality library
  - Features to add new sort
  - Planned and actual time of start and end of a beam/job



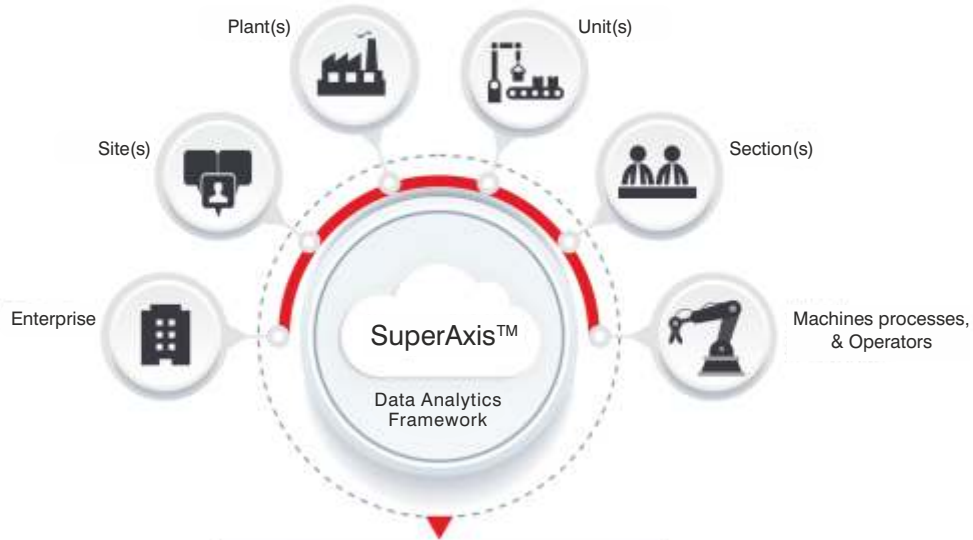
- **Job analysis**
  - Start and end time
  - Actual v/s planned production
  - Remaining length and time for job completion



- **Data security**
  - From field to cloud
  - Access to dashboards and reports



"in the world of big data, meaning is everything"



Drill Down Dashboards, Reports & Trends



Analytics



EcoAxis is a pioneer in the Industrial Internet of Things (IIoT). We have deep experience, expertise and commitment towards developing intelligent IoT technology solutions for the textile industry. EcoAxis delivers end to end solutions all the way from consulting, data acquisition, edge computing, BigData processing, operational and business analytics to machine learning - delivered via our cloud based framework SuperAxis.™

EcoAxis has deployed its IoT solution in 15+ industrial domains and analyzed over 15 trillion data points in the last 10 years. We are proud recipient of the 2017 Frost and Sullivan Growth Excellence Leadership Award for Industrial IoT - BigData Industry and have been consistently named in India's top Industrial IoT companies.

#### A.T.E. ENTERPRISES PRIVATE LIMITED

(Business Unit: **EcoAxis**)

T 126, T Block, MIDC, Bhosari, Pune 411 026, India

T: +91-20-6717 0100

E: [contact@ecoaxis.com](mailto:contact@ecoaxis.com)

W: [www.ategroup.com/ecoaxis](http://www.ategroup.com/ecoaxis)

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