



Online monitoring & analytics for weaving

Unlocking intelligence of things



Online monitoring & analytics for weaving

EcoAxis' online monitoring & analytics solution empowers customers to unlock "Intelligence of Things" through data acquisition, data processing and advanced data analytics, from the shop floor to the top floor.

The solution has the capability to monitor & analyse performance of :

- One to many looms at single location
- Multiple looms at multiple locations

Moreover, the online application allows the user to manually enter details of quality which helps in creating a quality library for production planning.

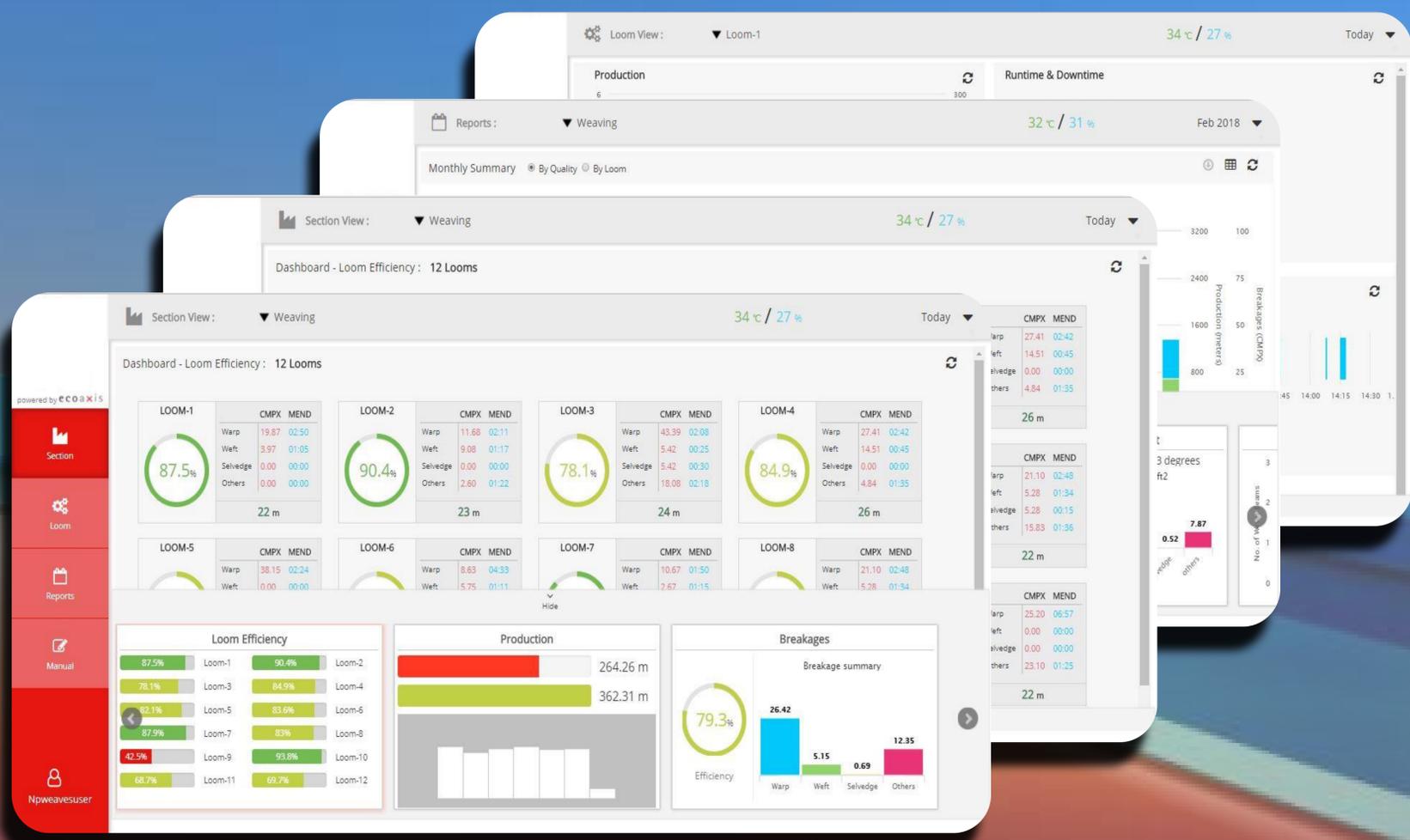
We provide dashboards, reports and analytics for the weaving machines by integrating machine data and energy consumption with IT and business systems. We help our customers improve production planning, increase productivity and move towards a more profitable and sustainable future.

- Business system integration available on a custom project basis for

- ERP
- Bar-code systems
- Production planning systems

- Data acquisition options available

- PLC
- Embedded controllers
- Interface cards
- Sensors / Instruments



Our solution empowers you with



- **Loom efficiency**

- Machine availability
- Downtime analysis



- **Production analysis**

- Production (in meters and kg)
- Rate of production
- Actual v/s planned production.
- Production against quality



- **Breakage analysis**

- Warp , Weft , Selvedge
- Breakage record
- Breakage in CMPX
- Average mending time



- **Performance monitoring**

- Machine run status
- Warp, Weft , Selvedge & other stops
- Loom RPM
- Temperature & relative humidity



- **Energy analytics**

- Energy consumption analysis
- Specific energy consumption (Units/meter , Units/1000 picks)



- **Online automated reports**

- Monthly, daily & shift-wise reports
- Qualitywise & Loomwise analysis reports
- Production & breakages reports



- **Benchmarking**

- Efficiency of looms for a specific quality
- Individual loom efficiency for multiple quality
- CMPX across looms



- **Manual entry**

- Quality library
- Features to add quality
- Planned and actual start & end of a beam/job



- **Consolidated dashboards**

- Multi-plant / unit level
- Section level
- Machine level



- **Track KPIs**

- Production
- Availability
- Run time & Downtime analysis



- **Data security**

- From field to cloud
- Access to dashboards and reports



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EcoAxis is a pioneer in IoT technology in India and its expertise in delivering end-to-end-solutions has not only led to an increase in the customer base but also to a significant recognition in the India market.

Because of its strong overall performance, EcoAxis has earned Frost & Sullivan's 2017 Growth Excellence Leadership Award.
- Frost & Sullivan
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EcoAxis is a pioneer, based in India, in the Industrial Internet of Things (IIoT). We have deep experience, expertise and commitment towards developing intelligent IoT technology solutions for 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 delivered 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.



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