

EcoAxis Case Study: Smart Manufacturing



Textile yarn manufacturer

Business challenge

- Machine data only available at the end of the shift
- Customer was not able to see all plant data together
- Analysis was done manually and hence taking lot of time for action

The solution

5 different processes (cluster of machines per process / energy meters per machine) were all connected through EcoAxis gateways. Data from sensors, instruments was picked up and sent to the EcoAxis cloud, where the same was analysed using SuperAxis™ & provided the customer with online analysis and reports.

Benefits

EcoAxis gave a customized solution “Smart Manufacturing” where the customer can

- View shop floor data and KPI across sections, machines, operator performance, and material on a single dashboard
- Collect and view the energy and power related data from all machines and locations automatically in real time
- Downtime analysis, energy consumption analysis - shift wise, day wise, operator wise
- Production information year wise / month wise / day wise / shift wise / hour wise
- Machine availability and related production efficiency
- Specific energy consumption
- Breakdown analysis
- Energy Analytics – machines consuming high energy / optimal operating speed with respect to energy efficiency