

# Unlocking Intelligence of Things



## aXisTEAfact 4.0

### SMART MANUFACTURING FOR TEA FACTORIES



# axisTEAfact 4.0

## Smart manufacturing for tea factories

axisTEAfact 4.0 allows tea factories to unlock the “Intelligence of Things” through digitisation with advanced data analytics for their operations. The application covers processes from received green leaves to process made tea across the production value chain on the shop floor. The software solution is hosted on the cloud, thus eliminating the need for local IT hardware or software, and hence reducing resources needed.

axisTEAfact 4.0 offers insights via automated online dashboards, reports and analytics accessible using any device, anytime, anywhere.

### axisTEAfact 4.0 achieves the following objectives:

- Live KPI tracking
  - OEE
  - Resource consumption – energy (electrical and thermal) and labour
  - Out-turn %
  - Best grade tea %
- Online reports eliminating manual data collection and manual errors
- Source and quality of green leaves received
- Identification of process areas of improvement to achieve KPIs
  - Monitoring deviations in process
  - Historical analysis
  - Benchmarking

### Shop floor processes covered

- Withering
- Vibratory feeder
- CTC
- Fermenting
- Drying
- Sorting

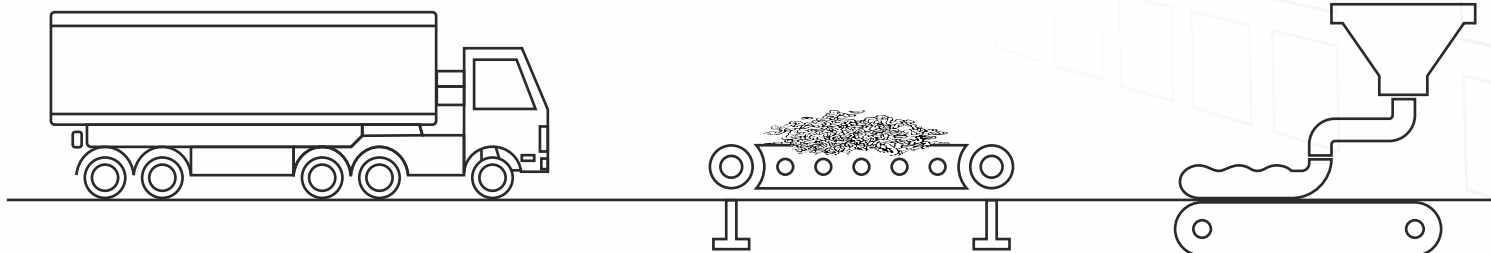
### Utilities covered

- Boilers
- DG sets
- Electrical energy
- Water

### Resources covered

- Green leaves received
- Wood received
- Manpower utilisation

## Tea manufacturing process



# axis TEAfact 4.0

Empowers you with



▪ **Production analytics**

- Production of made tea
- Production of best grade tea
- Green leaves processed



▪ **Quality analytics**

- Quality of green leaves received
- Rework analysis



▪ **Energy analytics**

- Electrical energy consumption
- Steam consumption
- Specific energy consumption



▪ **Resource analytics**

- Diesel consumption
- Water consumption
- Wood consumption
- Labour productivity



▪ **Performance analytics**

- Out-turn ratio
- Historical analysis of process parameters
- Deviation monitoring
- Actual throughput



▪ **Online automated reports**

- Daily, monthly, annual reports
- Production reports
- Deviation reports
- Consumption reports



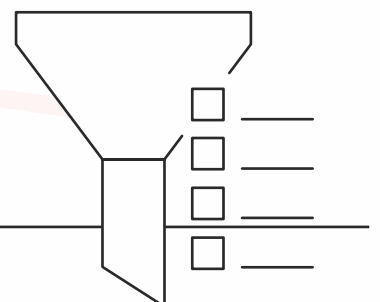
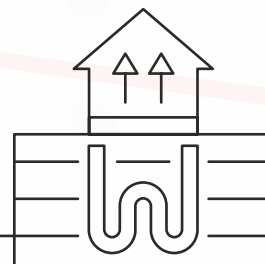
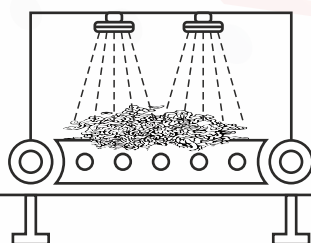
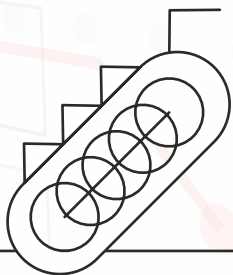
▪ **KPI tracking**

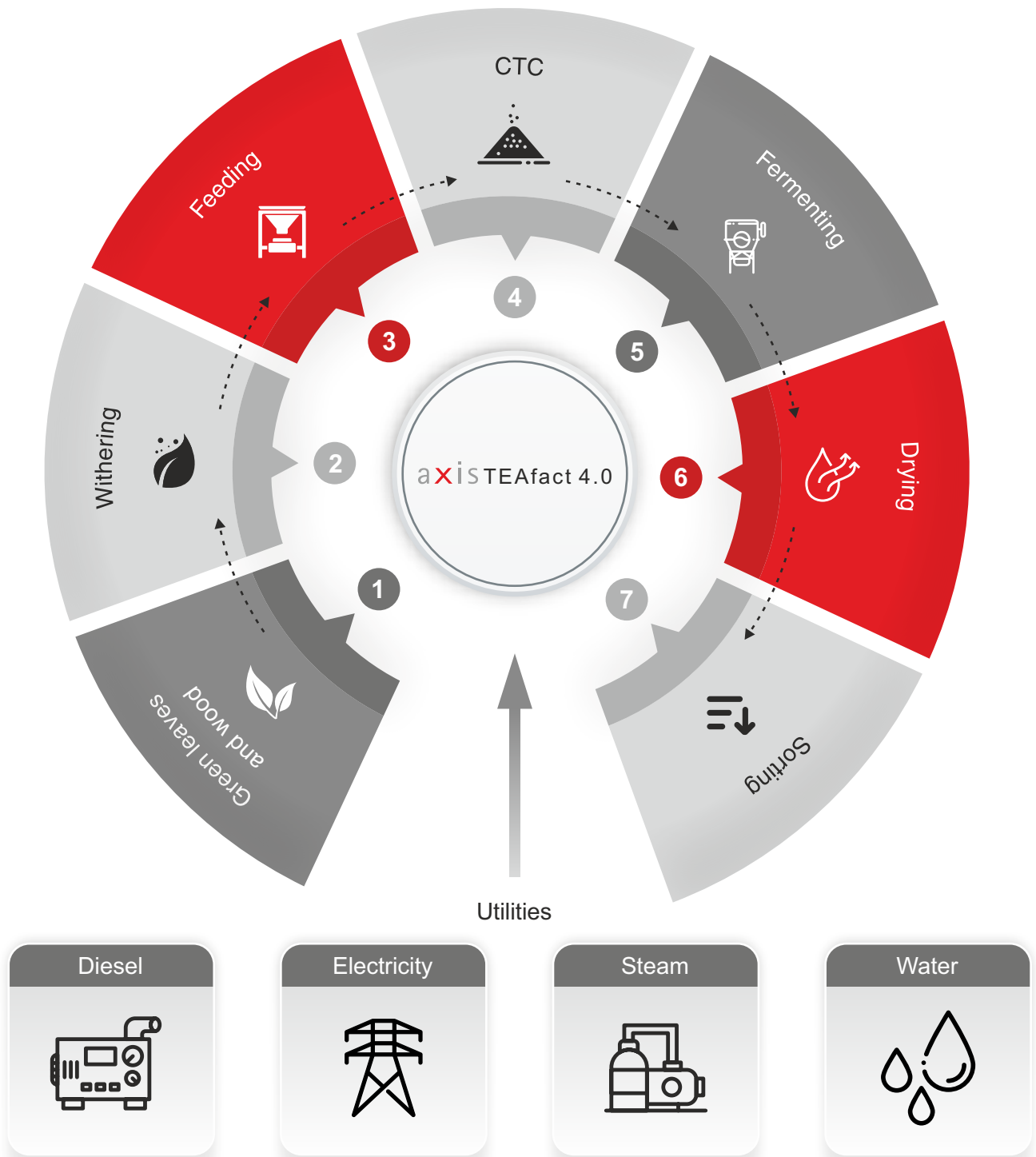
- Production
- OEE (availability, performance, quality)
- Throughput analysis
- Month-wise and week wise KPIs comparison
- Benchmarking week wise and month wise KPIs



▪ **Data security**

- From field to cloud
- Access to dashboards and reports





EcoAxis is a pioneer in Industrial Internet of Things (IIoT) with in-depth knowledge, expertise and commitment towards developing intelligent technology solutions.

EcoAxis Smart Manufacturing solutions delivered over a cloud-based framework, SuperAxis™, help customers improve efficiencies, increase productivity, and move towards a more profitable and sustainable future.

We are the 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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 people & the planet

