

Unlocking Intelligence of Things



aXisPLAST4.0

SMART MANUFACTURING FOR PLASTICS



axisPLAST4.0

Comprehensive IoT solution for plastics

AxisPLAST4.0 for plastics machines allows the customers to unlock “Intelligence of Things” through data acquisition and advanced data analytics from the shop floor to the top floor. We provide turn key, plug and play solution requiring zero IT investment.

EcoAxis' solution with online automated dashboards, reports and analytics are accessible using any device, anytime, anywhere.

Machines & business systems

- **Machines covered**
 - Injection molding machines
 - Blow molding machines
 - Sheet extrusion machines
 - Pipe extrusion machines
- **Standard auxiliary equipment covered**
 - Mixers
 - Chillers
 - Compressors
- **Business system integration available**
 - ERP
 - Barcode systems
 - Production planning systems

EcoAxis as a data partner to OEM



Application with custom dashboards and reports



End user operations analytics



OEM service analytics
OEM design validation analytics



Integration with service ticketing and online documentation

IoT gateways

- Industrial grade certified IoT gateways
- Built in firewall and router
- Wifi / LAN / WAN / GPRS / GPS featured router
- Direct over the air (DOTA) configuration



IoT Gateway

Empowers you with



- **Production analysis**
 - Production (length, pieces, shots)
 - Production in kgs
 - Rate of production



- **Quality statistics**
 - Number of good & bad shots
 - Rejection analysis



- **Energy analytics**
 - Energy consumption analysis
 - Specific energy consumption



- **Performance monitoring**
 - Machine run status
 - Process and mechanical parameters
 - Temperature trends
 - Actual cycle time



- **Mold analytics**
 - Actual cycle time
 - Mold-machine performance
 - Lifetime shots
 - Mold life cycle performance



- **Maintenance module**
 - MTTR & MTBF
 - Maintenance scheduling



- **End-to-end material traceability**



- **Mechanical breakdown prediction**



- **Online automated reports**
 - Monthly, daily & shift-wise reports
 - Operational reports (shot-wise)
 - Product summary



- **Email and alerts**
 - Reports via email
 - Machine alerts



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



- **Track KPIs**
 - Production
 - OEE (Availability, Performance, Quality)
 - Downtime analysis
 - Benchmarking

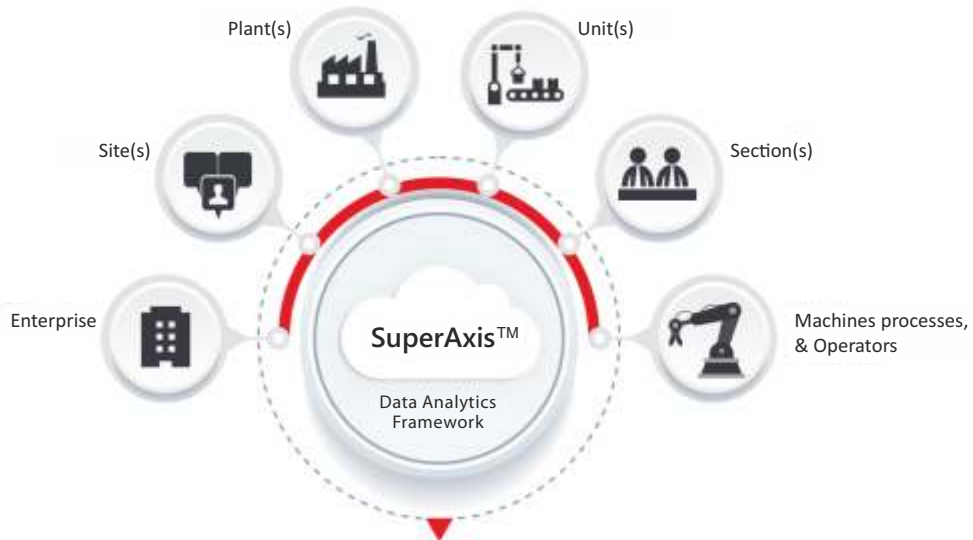


- **Data security**
 - Access to dashboards and reports



Injection molding

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



Drill Down Dashboards, Reports & Trends



Analytics



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

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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