

Representative Industry: Automotive Manufacturing

Visualize & Analyze

Engine Block

Quality improvement by enabling traceability and process analysis across three plants

Visualize & Analyze

Seat Frame

Quality improvement through root cause analysis of defects

AI Application

Paint

AI to identify causes of defects in paint shops

AI Application

Body

Predictive Maintenance of welding robots on the body shop final assembly

Visualize & Analyze

Battery

- Quality improvement through root cause analysis of defects
- Identify blockers from bench to scale of hydrogen batteries

AI Application

Magnet Wire for EVs

AI application to reduce scrap by recommending process changes

Visualize & Analyze

Powertrain

- First pass yield improvement and process control
- Rework reduction

Visualize & Analyze

Wheel

Reduction of gas consumption at the furnaces in the casting process



Structure Once. Analyze Infinitely.

Unified Data Foundation Enables AI Across All Manufacturing Use Cases

	Visibility What's happening?	Variation What's changing?	Cause What's the cause?	Rule What's the rule/recipe?	Prediction What will happen?	Prescription What steps to take now?	Optimization How to optimize the system?
Throughput <ul style="list-style-type: none"> • Availability • Rate 	Global Ops View Asset Throughput Comparison	OEE and KPI Tracker	Alarm Analysis	Centerline, Setpoint Analysis	Predictive Downtime	Prescriptive Uptime	Cookbooks and Recipe
Quality	Top Defect Pareto, Daily Meeting Quality Dashboards	Scrap / Defect Tracker	Root Cause Analysis	Process Parameter Analysis: Recipe Setting	Predictive Yield and Energy Efficiency	Prescriptive Quality	Quality Optimizer, Cookbooks and Recipe
	Descriptive Statistics		Statistical Inference		AI/ML		
Cost <ul style="list-style-type: none"> • Energy • Materials • Labor 	Materials / Component Consumption	Cost Variance by Line, Model, Shift	Material and Energy Loss Drivers by Process	First Time Through Optimization	Predictive Cost	Prescriptive Material Consumption	Energy, Quality Optimization
Flexibility <ul style="list-style-type: none"> • Changeover • Process Changes • Mix 	Changeovers, Network-wide Capacity	Changeover Variation, Network-wide Capacity Tracking	Root Cause Changeover Delays	Run-specific Recipes, Kanban Sizing	Predictive Changeover Duration and Capacity Impact	Prescriptive Changeover Schedule	5S, SMED, Capacity Optimization (Changeover + Cost)