Datasheet

A Shift from **Manual** to **Autonomous** Insights

Self-service Analytics Platform with assisted intelligence helping Data Analysts, Business Analyst and Business User to experience an AI-led journey from data to analytics.

#AssistedWrangling #BusinessSignals
#Storyboarding #AssistedAnalytics

Driving A Shift Towards Autonomous Insights

LTI's Mosaic Lens is a self-service-analytics platform that enables various personas in an enterprise, to work towards meaningful insights and timely actions by providing AI assistance across the data to analytics value chain, accompanied with below -

An AI Driven approach for Intelligent Analytics

Self-serving

Designed with an easy to use and point click analytics for a true self-service experience.

AI-augmented

AI-led assistance and suggestions are augmented within the entire data-to-insight life cycle to discover the unknowns.

Collaborative

Collaborate to share views, feedback and outcomes. Adopt and apply the same with ease.

Scalable

Scalable enterprise systems with pre-built ML Models and analysis of large disparate datasets.

Product Features

Data Preparation | Autonomous insights | Collaboration | ML Assist | Governance

Lens: Data Prep

An AI-assisted, point-and-click ability to expedite data preparation and accelerate discovery of insights, overcoming the traditional limitations.

Intuitive Wrangling	Easy data wrangling with a simple no-code and intuitive interface. Simplified data harmonization and data enrichment with in-built sampling techniques, AI-assisted data quality checks, auto-feature generation, anomaly detection etc.
Prebuilt Data Processing Steps	Extensive library for processing all structured, semi and unstructured data. Filter and search on data made simple; history of saved searches stored for instant results.
Data Profiling	Auto schema and data format detection – with a quick view of data at every step of wrangling. Automated data-profile-assist to highlight qualitative features such as distribution, value frequencies, missing/unique values etc.
Assisted Data Quality	RegistryData quality indicators and metrics such as validity, completeness, consistency etc. for users to explore the usability of data. Intelligent recommendations for potential data enrichment at each step.
Rule Engine	Harvest reusable rules and expressions by creating rules library. This can be used to speed-up data preparation across the teams.
Functions Library	Robust library of 200+ pre-built functions to accelerate data preparation.

Lens: Auto Focus

AI-led trustable auto-insights across all data

Autonomous Insights Generation	Rapidly uncover patterns, segments, advance profile, intelligent data type, anomalies, and insights across the data. Analyze data proactively using advanced algorithms.
Outliers and Anomalies	Automatically discover various anomalies and outliers within the data - using identified important attributes affecting specific KPIs.
Machine Reasoning in Natural Language	Leverage narrative engine to interpret the findings in data and provide natural language explanations.
What-if Simulations	Discover key attributes affecting the KPI. Explore what-if simulations to decide next best business actions.
Signals & Alerts	Manage all trained models in one place, with versioning and lineage of each version back to source code, training logs and training summary.

Lens: Stories

Create, share & collaborate using interactive data-stories with all relevant insights across the enterprise data.

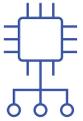|	
Story Boards	Narrate a story for different personas by combining multiple analysis steps and insights; using visualizations and annotations.
Business Signals	Set up customized rules, thresholds or advanced AI-led alerts to generate signals from the data.
Assisted Visuals	Assisted visuals with best-fit recommendations. Visualize data & insights with pre-built maps & charts with drag-drop, self-service capabilities such as edit, save, download, filters, annotate etc.
Personalized Home Page	Empower users with personalized important signals, alerts & notifications. Feature to pin KPIs, analytics & charts across various insights at one place for easy tracking.

Lens: ML Assist

Develop, apply & deploy Machine learning using No-Code/low-code approach

Visual ML/AI Building & Optimization

UI-based design and ML workspace with a centrally managed enterprise platform. Provision to compare multiple algorithms for supervised/unsupervised training. Instant assessment and management of model's performance through detailed metrices.

Quick Data preparation for ML/AI

Fast data preparation with inbuilt data preparation functions such as auto-feature selection, auto-aggregation, anomaly detection, feature generation, and clustering, etc.

Consume ML/AI Models

Models trained on Lens or outside can be consumed within Lens or exposed as an API for consumption by another application. End-to-end model management using advanced features of model packaging and scalable deployment of various Machine learning assets.

Pre-Built ML Models

In-built ML Models inside the wrangler for users to call and leverage them with ease..

Lens: Govern

Enable faster & smarter collective decision-making to move away from siloed insights.

Data & Lens Catalog

Discovery engine with faceted search to explore data. Manages availability, usability, integrity and security of data & analysis within enterprise.

Share

Collaborate with other users by sharing reports, storyboards, Lens, alerts and insights. Provide comments, feedback & ratings to facilitate benchmarking.
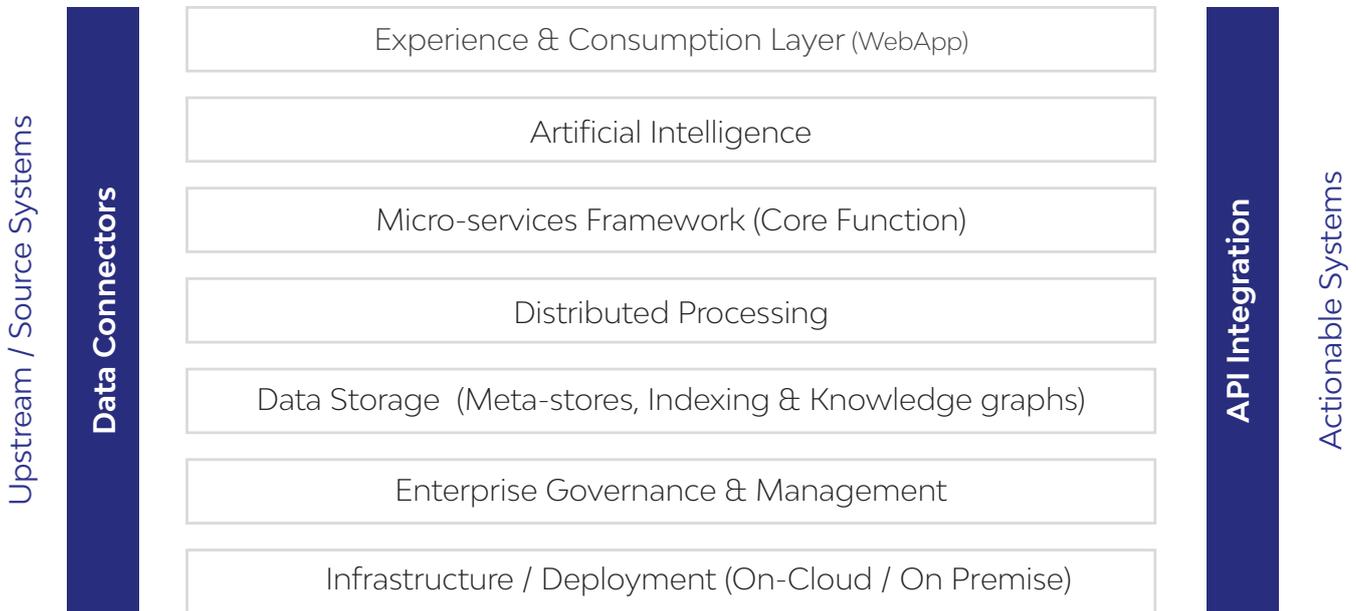
Lens Scheduling & Monitoring

Schedule packages (time based, event based etc.) and monitor Lens to get regular updates or be informed of critical changes on request .

Power To SMEs – Data Analysis At Scale

Ability to process large data seamlessly from 20+ data sources after creating, verifying, and implementing custom data wrangling steps on small samples on interactive UI.

Product Architecture
From Source To Actionable Systems

	Experience & Consumption Layer (WebApp)	
	Artificial Intelligence	
Data Connectors	Micro-services Framework (Core Function)	**API Integration**
	Distributed Processing	
	Data Storage (Meta-stores, Indexing & Knowledge graphs)	
	Enterprise Governance & Management	
	Infrastructure / Deployment (On-Cloud / On Premise)	

Upstream / Source Systems

Actionable Systems

Deployment Options
Flexibly deploy on cloud or on-premises

aws	Azure	Google Cloud	On-premise