

emPower Pryzm

→ Observing Data. Delivering Trust

- **Your trusted guardian for Reliability**

Packaged solution for end-to-end proactive data observability and data governance



When data engineering teams are inundated with everyday operational challenges around data reliability, SLA compliance can falter, causing critical delays in data-driven decision-making.

Introducing emPower Pryzm, a data reliability platform meticulously engineered to instil trust in every data point with precision. It proactively identifies data drifts, schema changes, execution issues, and quality inconsistencies and sends precise alerts, isolating the root cause with all the contextual information required to resolve incidents swiftly, enhancing the Mean Time to Recover (MTTR) and Mean Time to Detect (MTTD).

How it works?

- **Automated Metadata Collection:** From modern data stacks such as Airflow, RedShift, Snowflake, BigQuery, Databases, and Data catalogs.
- **Data Assets profiling:** Analyses historical data patterns to establish a baseline setting the stage for effective anomaly detection.
- **Anomaly Detection with AI:** Continuously monitors data against established norms to identify deviations.
- **Root Cause Analysis:** Auto incident lineage and impact analysis, pinpointing the source of the issue with precise incident triage for quicker resolution.
- **Enhanced Visibility:** Comprehensive control tower application and alerting at point of preference channels, bringing clarity and actionable insights to your fingertips.

Features

For Data Ops Teams	For Engineering Teams	Data Governance Teams	For Data Consumers/ Business Users
<p>Proactive Incident Management: Tools for quick identification and resolution of data incidents, minimizing response time and impact.</p> <p>Automated Anomaly Detection: AI-driven algorithms for early identification of data irregularities, ensuring operational continuity. Ability to import data breaks reported by any external tool via APIs.</p> <p>Real time monitoring: Continuous monitoring of all data assets to enable prompt decision-making based on the most current data.</p>	<p>Automated detection and alerting: Know even before data breaks and ahead of use-cases and dashboards consumers complaining.</p> <p>Smart Contextual Triage: Be equipped with full contextual information to dramatically reduce RCA.</p>	<p>Comprehensive Data Lineage: Ensuring full visibility into data origins, transformations, and dependencies for better tracking and auditing.</p> <p>Data Quality: Technical and business data quality Maintaining high standards of data quality for accurate and reliable decision-making.</p> <p>Metadata management: Collect, organize, share all assets metadata inspired by open standard and specification for metadata. Flexible integration driven approach for seamless integrations.</p> <p>Scalability and Flexibility: Ready to deploy where you are and operate at any scale.</p>	<p>Business Centric & contextual: Data reliability Scoring Views to understand data quality from the perspective of business consumption and readiness usage – implemented as RBS (Reliability Score for business consumption).</p> <p>Customizable Alerts and Reports: Tailoring alerts and generating detailed reports to suit specific business needs and preferences whenever a data asset is unreliable.</p>

Benefits



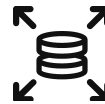
Eliminate data downtime

Minimal Data Downtime



Resolve data incidents faster

Improved MTTD and MTTR



Maximize your data value

Data Engineering team can focus more on innovation



Consistent supply of reliable data

Maintaining data quality at every stage

About Us

Founded in 2013, LUMIQ began as a niche AI start-up. Recognizing the need for good data and expertise, we evolved into a pioneering company. We offer cutting-edge data engineering, data science excellence, and deep financial services domain knowledge. Our open, platform-agnostic technology transforms data into valuable products. We are headquartered in the National Capital Region of India and have our team spread across India, USA and Southeast Asia. LUMIQ is backed by investors like Info Edge Ventures and Season Two Ventures.