



HOW A LEADING ASIAN DERIVATIVES EXCHANGE TRANSFORMED SPOT PRICE POLLING

DATAMATICS

A leading online commodity and derivatives exchange based in India, the client has established itself as a trusted marketplace for traders and investors. Dedicated to providing a seamless and transparent trading experience, the exchange offers a technologically advanced platform that empowers market participants to trade in commodity derivatives with confidence. Combining efficiency with market-friendly features, the platform is designed to enhance liquidity, optimize price discovery, and create a dynamic, rewarding trading environment.

The Challenge: Held Back by Outdated Processes

A leading derivatives exchange in Asia had long established itself as a trusted marketplace for traders and investors. However, behind the scenes, its spot price polling operations were riddled with inefficiencies that slowed decision-making and increased operational risks. The existing system relied heavily on manual intervention for critical assessments, including recording, audits, and user access control.

For the Chief Information Officer (CIO), these challenges were particularly pressing. The existing system relied heavily on manual intervention for critical assessments, including recording, audits, and user access control. This not only consumed valuable time but also introduced the possibility of human errors, making it difficult to ensure data accuracy and compliance. The lack of automation led to delays in processing real-time market data—an unacceptable drawback in the fast-paced world of derivatives trading.

To maintain its competitive edge, the exchange needed a modern, integrated solution—one that would streamline workflows, eliminate dependencies, and enhance user experience while ensuring accurate, real-time market data access.

The Solution: Datamatics' Cloud-Powered Efficiency

To ensure real-time and accurate data collection, Datamatics enabled client polling agents to connect effortlessly with external market participants through third-party APIs. This integration facilitated automated recording of polling quotes, significantly reducing manual intervention while improving data accuracy. The solution was designed with a DevOps-driven architecture, incorporating container orchestration to enhance flexibility and enable faster deployment cycles. Amazon Aurora was implemented as the database backbone, allowing for auto-scalability to manage high-frequency polling transactions without performance bottlenecks.

At the core of the transformation was a centralized and intuitive portal that streamlined the entire polling process. The new system introduced a fully digitized polling workflow, enabling seamless data capturing, secure data archiving, and cloud-based calling for market interactions. Additionally, a modern and user-friendly interface improved user engagement and satisfaction, driving higher adoption rates among stakeholders.

By leveraging advanced technology and a cloud-native architecture, Datamatics delivered a future-ready solution that not only optimized operations but also reinforced the exchange's position as an industry leader in digital transformation within the derivatives market.

Impacts: Real-Time Market Insights

100% Compliance availability

Of audit logs for audit trails

60% efficiency

With modernization

80% reduction

In operational costs

100% Centralization

With a unified place for all
business operations

ABOUT **DATAMATICS**

Datamatics enables enterprises to go Deep in Digital to boost their productivity, customer experience, and competitive advantage. Datamatics' portfolio spans across three pillars of Digital Technologies, Digital Operations, and Digital Experiences. It has established products in Intelligent Document Processing, Robotic Process Automation, AI/ML models, Smart Workflows, Business Intelligence, and Automatic Fare Collection.

Datamatics caters to a diverse global clientele across Banking, Financial Services, Insurance, Healthcare, Manufacturing, International Organizations, and Media & Publishing. The Company has a presence across four continents with significant delivery centers in the USA, India, and the Philippines. To learn more about Datamatics, visit www.datamatics.com

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