

BIRD Analytics

A Seamless Full Stack Business Intelligence Platform

INDUSTRIAL AUTOMATION





About BIRD

- An agile and seamless full-stack data management platform that provides real-time access to any of your data
- Allows users to analyse the data using powerful KPI-driven dashboards or through augmented machine learning insights
- With BIRD, enterprises can build instant data pipelines with transformations and design data warehouses with logical data models
- With BIRD, you have access to the broadest range of structured, semi-structured, and unstructured data sources, like databases, ERPs, flat files, big data sources, and streaming and IoT devices
- BIRD helps reduce the BI team's efforts with its no-code or low-code transformation and universal data model framework
- BIRD Augmented Analytics integrates advanced data science capabilities into the platform, allowing for faster discovery and delivery of new insights to assist every business user in making better, more accurate decisions
- BIRD's intuitive, responsive, web-based client in mobile browsers lets you easily create and explore analytics on the device of your choice.

The Company

The company is one of the leading providers of industrial automation in America whose brands include Allen-Bradley, FactoryTalk software, and Lifecycle IQ Services. This Fortune 500 company reported fiscal year 2021 global sales of \$7 billion.

Problem

The company provides PLCs and sensor devices for enabling industrial automation to its customers, such as Ford, Nissan, etc. The IOT devices generate an enormous amount of data, and company didn't have a solution in place that could show analytics on real-time data coming from their PLCs. Building a product from the ground up that can differentiate them with real-stream analytics capability would take at least 3 years for them.

Solution

- BIRD Analytics had in-built real-time streaming connectors (Kafka and RabbitMQ) that were adept at retrieving the data from IOT devices.
- The high messaging speed of these connectors enabled Rockwell to process the data at a very fast pace.
- BIRD had a high-performing distributed columnar engine and messaging-driven architecture that created a solution that was a perfect fit for Rockwell's requirement.
- The solution had been put into place in 60 of their client's facilities, processing information from more than 10,000 sensors.

Result

- According to company, each facility could save almost \$1 million through proactive maintenance.
- Savings due to automation in the reporting process amounted to \$300,000 for each customer of company. Savings occurred across multiple touch points in data preparation, report creation, maintenance, etc.
- The time it takes to create a report has been reduced from days to minutes.

Thank You.

