

Our Data Streaming Expertise In Oil & Gas

Elevate Your Real-Time Data Streaming with Improving & Confluent



Challenges of Data Streaming In The Oil & Gas Industry

Oil and gas companies face complex challenges in managing real-time data streams, including eliminating data silos, tackling integration complexities, and developing scalable solutions for high volumes of data with low latency. According to McKinsey, advancements in big data and analytics that leverage real-time data offer significant opportunities for automation and efficiency in the oil and gas industry. However, traditional methods often fall short, leading to inefficiencies. By leveraging platforms like Confluent, these companies can enhance their real-time data streaming capabilities, optimize operations, and improve profitability. Our expertise within the Confluent ecosystem has empowered leading oil and gas companies to overcome these challenges and achieve significant operational efficiencies.

Why Trust Improving as Your Data Streaming Partner?

At Improving, we are a **Confluent Elite Systems Integrator** and Confluent has certified Improving as a Premier Partner. Our goal in partnering with Confluent is to deliver enterprise data solutions that help you easily identify and use quality data via real-time data streams.

Our strong partnership with Confluent allows us to deliver resilient event-streaming architectures and solutions that transform the way leading oil and gas companies operate. We have extensive experience in designing, deploying, and optimizing Confluent's real-time data streaming platform to meet the diverse and unique business needs of organizations in the oil and gas industry.

Our Data Streaming Services & Solutions on Confluent

We offer a comprehensive suite of services leveraging Confluent platform, Confluent Cloud, and Flink to transform your real-time data processing capabilities:

- **Integration & Migration:** Seamless integration and migration services for a smooth transition to Confluent platforms, ensuring **99.9% uptime** and **80% reduced downtime**. This reliability allows your organization to utilize and action on your data at any time.
- **Consulting:** Expert guidance to optimize your Confluent setup, including strategy planning, architecture design, and performance tuning, resulting in **30% cost reduction** and **95% client satisfaction**.
- **Development & Solutions:** Custom Confluent solutions and connectors tailored to meet your unique business requirements, resulting in **10x the data processing speed** and **increasing efficiency by 50%**.
- **Real-Time Data:** Use real-time data for valuable actionable insights and improved decision-making, with faster reporting speed and better data accuracy.
- **Training:** Training programs to help your team gain Confluent expertise and skills.





Our Data Streaming Expertise In Oil & Gas

Elevate Your Real-Time Data Streaming with Improving & Confluent

Our Track Record of Success |



Improving's work at Berkshire Hathaway Energy (BHE) showcased our expertise in real-time data within the Confluent ecosystem by modernizing BHE's legacy Java Swing application and transitioning it to a cloud-native architecture using React and Java microservices. By leveraging Kafka as the backbone messaging fabric, we enabled seamless data integration and event sourcing, significantly improving BHE's feature development life cycle and operational efficiency. The solution also enhanced uptime and reliability, allowing BHE to deploy new environments within minutes in case of failure. This project demonstrated our ability to deliver secure, robust, and scalable data streaming solutions that meet the complex needs of the oil and gas industry.

Improving | Your Trusted Technology Consulting Partner

As a Confluent Elite Systems Integrator, we are at the forefront of data streaming and data engineering through our technical design and implementation for cloud, on-premises, and hybrid solutions. Our collaboration with clients extends beyond implementation; we empower them with the knowledge and tools to maintain their Kafka and Flink deployments. Access to data alone is not enough to make informed and impactful data-driven decisions; as technology and business leaders, you need to ensure you are using reliable, accurate, timely, and relevant data to make informed decisions.

The amount of data organizations have is significant and will only continue to grow in volume. Having a solution to sort through and identify useable data is essential for your organization's success. Confluent provides you with enriched, trustworthy, and contextualized real-time data anywhere and at scale.

With our track-record of success, Improving can help you leverage Confluent Platform, Confluent Cloud, and Flink to transform, empower, and elevate how your enterprise executes its data strategy.

Our Data Streaming Technology Partners

At Improving, our partnerships with technology and cloud leaders such as Confluent, AWS, Google Cloud, and Microsoft enable us to deliver best-in-class, secure, scalable, impactful and innovative solutions across a multi-cloud environment. Our partner collaborations ensure we provide innovative, reliable, efficient and high-quality services to meet our clients' broad range of needs. Through our partner-driven projects, we have delivered exceptional business value through digital transformations backed by leading data, AI, software, and cloud technologies.

