

Data is the New Oil

Synadia Cloud is the Essential Pipeline at the Edge Powering the Data Flow for Rivitt and its Customers



CHALLENGES

- Harsh field conditions with limited resources & intermittent connectivity
- Easy & fast integration with customer systems – at the edge and in the cloud
- Critical need for real-time, secure, high-volume data before issues escalate

SYNADIA CLOUD

- Cloud-native, cloud-agnostic & cost-effective SaaS messaging & communications platform
- Works across edge locations & regions, multi-cloud vendors & company clouds
- Integrated, low latency & HA system on an open source NATS foundation with 24/7 support
- Simple to use, AI-ready, secure and compliant

BENEFITS & RESULTS

- Expands Rivitt's data capabilities in harsh environments
- Easy to deploy/use – up and running in 90 minutes
- Streams, secures, persists, transmits & tracks customer data anywhere in milliseconds
- Increases developer efficiency & responsiveness due to familiarity with NATS.io protocols
- Empowers Rivitt customers with rapid issue remediation and optimized performance



“The low-cost, low-administrative effort, wide range of supported languages and guaranteed message delivery made Synadia Cloud our connectivity platform of choice for the future.”

- Miles Hill, CEO, Rivitt

ABOUT RIVITT

Rivitt, a leader in capturing and managing machine data across various stages of oil and gas operations, implemented Synadia Cloud, thus improving its data handling processes, operational efficiency and competitive advantage.



“The simplicity and efficiency of Synadia Cloud has enabled us to move faster than our competitors. It provides reliable and real-time, in milliseconds, data for the edge for rapid decision-making and remediation, which is crucial in the oil and gas industry.”

For more information about how Synadia’s solutions can transform your operations, visit Synadia.cor or or [contact](#) our team.

SYNADIA.COM



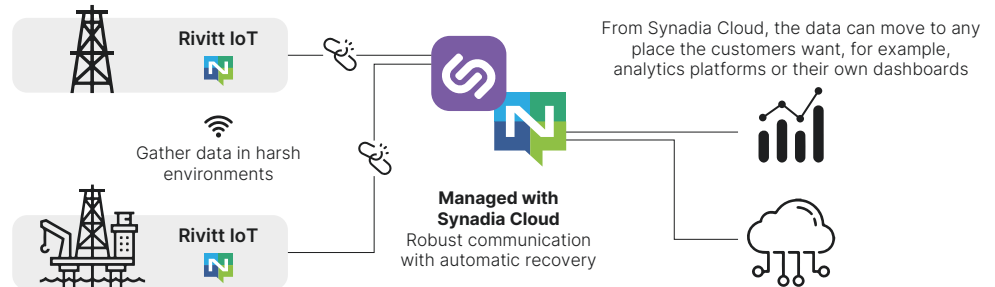
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Challenges

Early in 2020, Miles Hill, co-founder and CEO of Rivitt, decided to improve a critical operation in the oil and gas industry: real-time access to rapidly changing data from field devices under harsh conditions at the edge. To do this, Rivitt needed a solution that could handle high volumes of data with intermittent connectivity and in real time at the edge and in the cloud, ensuring seamless data transmission and integration with customer systems.

Business Driver

Real-time access to rapidly changing data from field devices under very harsh conditions at the edge



Synadia Cloud

Today, Rivitt’s simple but effective solution leveraging Synadia Cloud with its NATS foundation captures machine data from any field device (drilling rigs, mud pumps, wireline trucks) and moves that data rapidly anywhere the customer wants it. Synadia Cloud provided a cloud-agnostic, low latency, high availability messaging and communications platform fully managed by Synadia. It enabled Rivitt to efficiently stream, secure, persist, transmit and track customer data in real time.

Results

The ease of deployment, enhanced system administration and real-time data capabilities of Synadia Cloud have positioned Rivitt as a leader in the oil and gas industry.

- **Cost-effective, easy to deploy:** Synadia Cloud was cost-effective and easy to deploy and implement. Rivitt’s own production instance of Synadia Cloud was up and running in just 90 minutes – without setting up a global supercluster or state management.
- **Efficient, effective data tracking:** Synadia Cloud’s system of distributed superclusters always knows the optimal place for data storage and retrieval and efficiently directs requests to the right place.

“That’s a very hard problem to solve, and Synadia solved it.”

- **Simplified data delivery:** Synadia Cloud simplified data delivery by directing and ordering the data – without Rivitt touching infrastructure.
- **Stable at the edge:** Rivitt has been streaming millions of records per day from the edge for two years with no complaints and high data flows – 90 milliseconds for one vendor and 400 milliseconds for another. With this kind of stability, Hill feels confident about building more tools on top of Synadia Cloud. He can code something once and use it anywhere.
- **Increased developer efficiency:** The familiarity of NATS.io’s protocols for Rivitt’s developers facilitated a smoother workflow, enhancing overall productivity and efficiency.

Rivitt’s adoption of Synadia Cloud has transformed its data management processes with a flexible, secure and scalable solution.

“Synadia Cloud has enriched Rivitt’s solution.”

