

**SoftNAS**  
Data Storage



# Solving Data Challenges with High-Performance Cloud Storage

This presentation explores how SoftNAS addresses data challenges in the Energy industry, specifically in the upstream exploration and production (E&P) vertical.







# E&P Data Challenges

## Massive Data Volumes

Seismic imaging and geophysical analysis generate petabytes of data, requiring rapid processing and secure storage.

## Latency-Sensitive Workflows

Low latency is crucial for real-time applications like seismic analysis or drilling operations.

## Limited Connectivity

Exploration often occurs in remote locations with limited connectivity, creating challenges for data synchronization and access.





# High Performance Cloud Solution

1

## Flexible Deployment

Supports hybrid environments, enabling seamless data access in remote upstream field locations and centralized facilities.

2

## Data Protection and Compliance Management

Features like edge-to-core replication, snapshot replication, failover clustering, and encryption ensure data integrity, availability, and security.

3

## Low Latency

Supports predictive maintenance systems to provide faster insights, enable real-time storage, and processing of IoT sensor data.

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# Powering DecisionSpace® 365

## Well Construction

The technology combines trajectory planning and well string operations to provide an extensive engineering data management solution.

## Economics and Forecasting

Using this powerful on-demand tool can make it easier for E&P teams to create an economic model and generate a complete picture to calculate and evaluate property values.





# Optimizing Data Storage

1

## Compression and Deduplication

SoftNAS leverages data reduction techniques to significantly decrease the amount of storage space needed.

2

## Data Synchronization Across Global Operations

SoftNAS facilitates data replication and synchronization across global sites, ensuring every team has consistent, up-to-date information.

3

## Support for Edge Computing

Edge computing is enabled as part of the SoftNAS solution, by providing local storage at remote sites, ensuring critical data is processed and stored locally without reliance on continuous cloud connectivity.



# Fueling Progress of E&P Data

SoftNAS is helping the natural resources field overcome big energy challenges with our high performance enterprise cloud solution.

Powered with SoftNAS cloud storage, a global Exploration and Production provider gained real-time data for critical operations. Drill into the details of how SoftNAS met the challenges they faced during the complex upstream life cycle.

By integrating solutions like SoftNAS, E&P organizations can overcome their infrastructure limitations and pave the way for greater operational excellence.





# Enabling Other E&P Platforms

## Schlumberger's Pretral

Leverage SoftNAS to go beyond infrastructure roadblocks and expand their software model.

## Baker Hughes' JewelSuite

Leverage SoftNAS to go beyond infrastructure roadblocks and expand their software model.

## Emerson's Paradigm

Leverage SoftNAS to go beyond infrastructure roadblocks and expand their software model.



# SoftNAS: The Solution for E&P Data Challenges

SoftNAS can deliver the solution so global oil and gas providers maintain high-performance, scalable cloud storage solution, seamless data access, real-time processing, and secured data.





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# Ready to Get Started?

[Schedule a Call with a Storage Expert](#)

