

# Dial Down Costs, Increase the Value of Exploration and Production Data in Energy, Oil and Gas



## Business Challenge

Oil drilling and production companies are under pressure to execute on a global scale by transferring, analyzing and managing data to get the best results. File data is growing faster than ever, and the technology that stores, shares, protects, and manages the data needs to be robust to handle these challenges. Data generated by upstream exploration, drilling sites at the edge, transportation logistics, refining operations at multiple locations worldwide has outpaced legacy storage systems. Backing up and retaining large datasets, and sharing them easily, quickly and securely for interpretation and analysis - on a worldwide basis - is critical.

## Solution Overview

Panzura Freedom Collaboration™ allows globally distributed users to work together in real time as if they are in the same room. Users get real time access with Panzura's global cloud file system which helps them access large files and datasets so that they can make the right decisions with speed. Panzura's innovative caching technology gives remote users local data center performance. Using Panzura CloudFS, a scale-out, distributed file system that integrates with the cloud for economics, scalability and durability, users are able to collaborate using global file locking. Though dispersed globally across multiple locations

## 4 Reasons to Use Panzura for Energy, Oil and Gas

- ✓ Fast, easy real-time access with Panzura's One Global Cloud File System
- ✓ Archive data can be restored and analyzed on demand
- ✓ High performance NFS access
- ✓ Data protected with FIPS 140-2 compliant encryption

including exploration sites, drilling fields etc., users gain the ability to come together as a single team with fast and secure file access. This results in increased productivity and profitability.

In another use case, data might need to be extracted from long term backups, so that it can be analyzed to determine if the latest methods of material extraction would enable access to resources that were not practical earlier. Panzura Freedom enables restoration of archived data for active use since all data is stored in the cloud as a single source of truth. Data is also cached locally for maximum performance.

“ As we were exhausting our on-prem storage, we examined various options. Panzura was a really elegant solution enabling collaboration like none other. It brought us cost savings, reduced on-prem footprint by 50 percent and allowed us to scale as required

Jared Gudnason, Senior Infrastructure Analyst, Packers Plus Energy Services

## Customer Benefits

### Efficiency and Speed in Collaboration

Sharing large file and datasets, such as seismic readings, with analysts and back to the drillers is no longer a multi-day task. Files can be accessed in seconds so that decisions can be made with speed. By consolidating all the data in the cloud, customers have access to a single authoritative data source and don't have to worry about working off multiple versions of files.

### Unlimited and Cost Effective Storage

Modernizing storage infrastructure with multi-cloud file services enables access to unlimited storage that is less expensive than on-prem NAS. Panzura's global deduplication and compression helps reduce storage needs further. Customers can utilize private or public cloud architectures to reduce CapEx.

### Archive Seismic and Output Files at Low Cost

Archiving is available at low cost and quick access in any location when needed.

### Ensure Data Protection and Business Continuity

The industry first cloud mirroring capability enables data protection. The impact of an outage could cost a significant amount of money in lost productivity and business disruption. Panzura Freedom gives another layer of cloud data protection so that you can enjoy peace of mind.

“ Using Panzura Freedom NAS, Chevron is able to rehydrate their archive backups. This enables them to pull data from archive on demand to perform real time data analytics. Chevron can then analyze the data to determine where to drill, the volume of material they can expect to extract, and the effort that will be required to extract those resources. This dramatically increases their ability to reliably develop new sites and extract value from their efforts.

How can we help? Let's talk about what's right for you! You'll get answers at [info@panzura.com](mailto:info@panzura.com) or visit [panzura.com](https://panzura.com) and have a chat with us.