

The background of the top section features a dark green gradient with a network of white lines and dots, overlaid with binary code (0s and 1s) in a lighter green color. The INFINIDAT logo is positioned in the upper left corner.

INFINIDAT

Solution Brief

Energy Sector

INFINIDAT is a perfect fit for energy companies that need to reduce storage costs, manage data sprawl, and simplify their storage infrastructure. The INFINIDAT unified storage architecture brings unique value to all segments of the energy industry, including the upstream, downstream, midstream, and utilities sectors.

OIL AND GAS

From acquisition and exploration to production and downstream pricing, accurate data leads to accurate decisions. The very latest industry-specific applications and tools require massive amounts of data to add value to the decision-making process. INFINIDAT's innovative technology provides low-cost, highly available, and easy-to-use Big Data solutions that meet the petabyte-scale capacity requirements of the oil and gas industry.

Upstream Operations

INFINIDAT storage solutions are designed to handle upstream data with ease and accuracy. Delivering balanced and predictable levels of performance at scale with industry-leading data availability, INFINIDAT helps accelerate the pace of exploration and upstream operations.

SEISMIC ARCHIVING

The INFINIDAT storage architecture delivers the high performance and reliability needed for seismic interpretation and decision-making applications. INFINIDAT's low-cost and industry-leading TCO can also deliver cost-effective, massively scalable archival and compliance-enabling storage solutions for these same applications. As a single platform with a single set of management tools, INFINIDAT simplifies data management, reduces cost, and eliminates data migrations between platforms. Effectively helping accelerate the decision-making process, INFINIDAT keeps data online and in the hands of those who need it.

Midstream Operations

Midstream operations can range from logistics and transportation to inspection and compliance. This wide range of data types can require multiple protocols, multiple storage systems, and even multiple copies of the same data. INFINIDAT's unified architecture eliminates these inefficiencies, with the flexibility to support multiple protocols in a single system.

INSPECTION

Pipeline inspection generates huge amounts of data that needs to be captured and processed at very high resolution. This data must be accurate and easily shared to ensure the safety and integrity of the pipeline infrastructure. Due to stringent compliance and regulatory requirements, this data also needs to be retained for very long periods of time. INFINIDAT is uniquely qualified to meet these requirements simply and cost-effectively while ensuring the data integrity.

Downstream Operations

INFINIDAT storage solutions help downstream energy businesses streamline operations, improve efficiency, and minimize risk.



OPTIMIZE PRICING, MINIMIZE FINANCIAL RISK

The downstream energy sector maximizes profits by tracking and analyzing a vast amount of data — resource availability, usage, and predicted changes. INFINIDAT can help with its highly scalable storage systems. INFINIDAT solutions scale to multiple petabytes of effective capacity in a single rack — perfect for Big Data analytics.

EFFICIENT DATA COLLECTION AND DELIVERY

Energy companies need easy, uninterrupted access to all the data all the time. INFINIDAT gives you a stable storage infrastructure for enterprise data. In fact, INFINIDAT is the only storage vendor to provide 99.99999% availability — which is less than three seconds of downtime per year! This is all while consuming less than 8kW of power per rack at full load.

REGULATORY COMPLIANCE

Real-time monitoring of pipeline and refinery equipment helps downstream energy companies comply with environmental and safety regulations. Cost-effective INFINIDAT solutions can help you store and manage the massive amounts of data these applications produce. INFINIDAT storage includes all software and three years of maintenance — for less than \$2/GB.

UTILITIES

INFINIDAT storage solutions help utilities scale to meet the challenges of Big Data. And you can benefit from our sophisticated functionality without an army of storage engineers.

Smart Grid Projects

Monitoring and process control, smart-grid initiatives, AMI, and SCADA are all in the near future. Utilities must be prepared for the Big Data challenges they bring. INFINIDAT partners with industry leaders to help utilities scale from terabytes to petabytes while keeping costs low and management simple.

Mission-critical Applications

Maintain “always on” data availability with INFINIDAT’s highly available solution. The INFINIDAT storage architecture’s end-to-end data protection, triple redundant power and data paths, snapshots and replication, hot swap upgrades, and many other reliability features let you reliably avoid service outages, even during system change-outs or upgrades.

SUMMARY

INFINIDAT provides enterprise-class storage at a disruptive price point that is tailor-made for the energy sector. No longer will you have to choose between storage architectures for price/performance and workload reasons.

Through the use of its patented INFINIDAT storage architecture, INFINIDAT employs commodity hardware to deliver highly efficient multi-petabyte capacity in a single rack. The InfiniBox™ solution also delivers mainframe-class reliability with an unprecedented 99.99999% availability and over 1M IOPS of performance. Automated provisioning, management, and application integration provide a system that is incredibly efficient and easy to use. INFINIDAT is changing the paradigm of enterprise storage while reducing operational overhead, complexity, and cost.

INFINIDAT

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