UNITEDLAYER®

United Private Cloud for **Oil & Gas**

Software-defined private cloud with AI-ready acceleration and built-in intelligence for upstream, midstream, downstream energy data environments.

Helping oil and gas organizations modernize operations with resilient private cloud, secure edge-to-core connectivity, AI-ready infrastructure, and unified observability.

Secure **Scalable** **Intelligent**



99.999%	30+	175+	100+
High-Availability	Cloud Regions	Edge Locations	IaaS & PaaS Services

Where UnitedLayer Helps Oil & Gas Organizations

Key solution areas for exploration, production, transport, refining, and distributed energy operations.

Remote Field & Edge Operations

Run applications and services close to where data is generated, securely and reliably.

Seismic & Data Platforms

Accelerate seismic processing and large-scale data workloads with high-performance cloud infrastructure.

SCADA / OT Infrastructure

Host SCADA, historians, and control systems on secure, low-latency private infrastructure.

Pipeline & Asset Monitoring

Collect and analyze sensor and telemetry data to monitor pipelines and field assets in real time.

Refinery & Processing Workloads

Run process control, MES, and plant applications with high availability and steady performance.

Cybersecurity & Zero Trust

Protect critical OT and IT systems with zero-trust security, monitoring, and cyber resilience.

Business Continuity & Disaster Recovery

Keep operations running with DRaaS, immutable backups, and rapid failover across sites.

AI-Powered Analytics & Optimization

Use AI-ready infrastructure for predictive maintenance and production optimization.

Outcomes That Drive Oil & Gas Forward

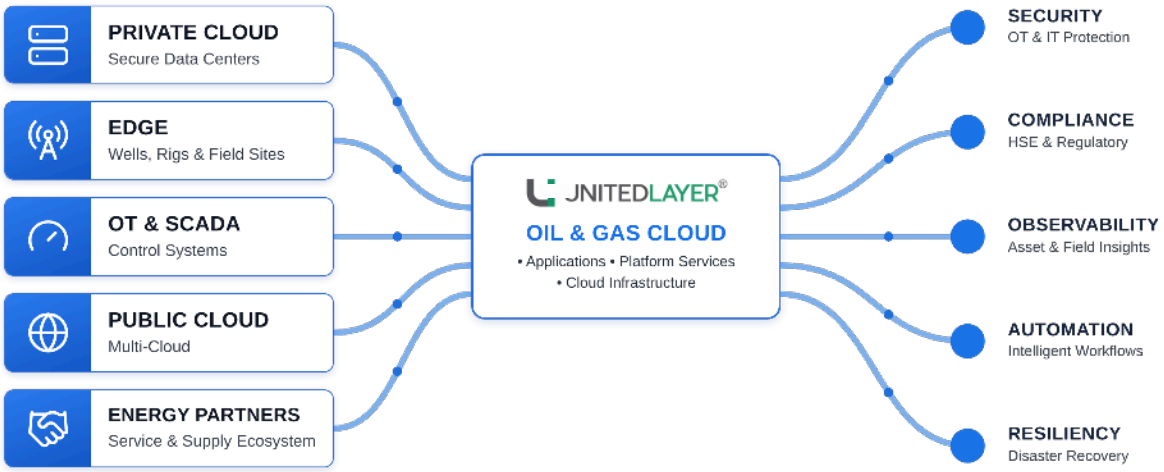
- **Operational Resilience**
- **Field Visibility**
- **Safer Operations**
- **AI-Driven Efficiency**

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Oil & Gas Cloud Capabilities

A secure, scalable, and compliant platform architecture designed for oil & gas workloads.



Software-Defined Private Cloud

Isolated, policy-compliant cloud for energy workloads with consistent operations and built-in disaster resilience.

Hybrid Cloud Infrastructure

Seamless hybrid cloud with low-latency edge reach, burst compute for simulations, and portable workloads.

UPC Accelerated

GPU-accelerated infrastructure for energy workloads with fast backup, I/O performance, and quick time-to-value.

UPC Built-in Intelligence

AI/ML-driven predictive maintenance, unified observability, self-healing automation, and edge-to-enterprise insights.

Built for Security

Built for Performance

Built for AI

Built for Automation

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Oil & Gas Solution Snapshot

Energy organizations operate in some of the world's most demanding environments. To compete and stay safe, they need secure infrastructure that connects remote operations and supports data-driven operations across the value chain.

Business Challenges

- Connect and manage remote assets and sites
- Protect critical OT and IT infrastructure
- Improve data visibility and operational insight
- Support scalability across exploration, production, and midstream operations
- Ensure business continuity in high-risk environments

Solutions Delivered

- Secure private cloud foundation built for energy
- Unified platform connecting IT, OT, and edge
- Built-in security, governance, and compliance
- Scalable infrastructure for data, apps, and AI
- Resilient by design with built-in backup, DR, and cyber recovery

Oil & Gas Transformation Priorities



Remote Operation



Security



Asset Resilience



Visibility

Relevant Capabilities

- **United Private Cloud®**
- **UnitedSecure™**
- **UnitedConnect®**
- **UPC Accelerated**
- **UPC Built-in Intelligence**
- **DRaaS / Cyber vault**

Scale Smarter. Secure Faster.



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