



United Private Cloud for Oil & Gas

Secure software-defined private cloud with AI-ready acceleration and built-in intelligence for upstream, midstream, downstream, field operations, and 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 and orchestration.



Secure



High Performance



Intelligent





99.999%
Availability



30+
Private Cloud Regions



170+
Edge Locations



100+
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

Modernize OT systems with secure, available platforms designed for real-time control and operational continuity.



Pipeline & Asset Monitoring

Monitor pipeline integrity and critical assets in real time with IoT and edge-to-cloud visibility at scale.



Refinery & Processing Workloads

Run demanding applications and data-intensive workloads with performance, reliability, and cost optimization.



Cybersecurity & Zero Trust

Protect critical IT and OT environments with Zero Trust security and integrated threat defence.



Business Continuity & Disaster Recovery

Ensure resilience with automated backup, rapid recovery, and geo-redundant architectures across the value chain.



AI-Powered Analytics & Optimization

Leverage AI/ML to predict outcomes, optimize operations, and drive faster decisions.



Operational Resilience



Field Visibility



Safer Operations



AI-Driven Efficiency

Oil & Gas Cloud Capabilities

A secure, scalable, and intelligent platform architecture designed for distributed energy operations.

Software-Defined Private Cloud



- Dedicated, multi-tenant isolation for energy workloads
- Consistent operations across remote sites and core
- Policy-driven security and compliance for critical assets
- High availability with built-in disaster resilience

Hybrid Cloud Infra



- Seamless integration of private cloud and public cloud services
- Extend to edge and remote locations with low latency
- Burst compute for seismic, modeling, and simulations
- Data mobility and workload portability across environments

UPC Accelerated

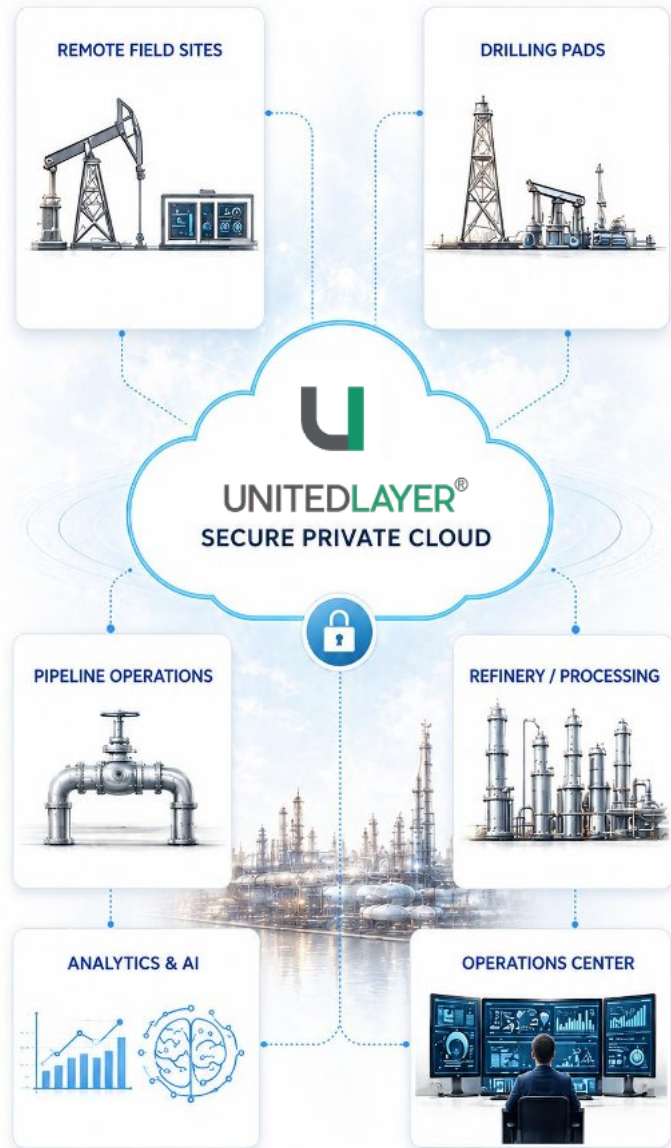


- GPU-accelerated infrastructure for AI and demanding energy workloads
- Accelerated backup, recovery, and data protection
- Optimized for I/O intensive apps and real-time data
- Fast time-to-value for rigs, pipelines, and plants

UPC Built-in Intelligence



- AI/ML for production, uptime, and predictive maintenance
- Unified observability across IT
- Intelligent automation for self-healing and orchestration
- Actionable insights from edge to enterprise



**Built for
Security**



**Built for
Performance**



**Built for
AI**



**Built for
Intelligent
Operations**

Oil & Gas Solution Snapshot

Modernizing distributed energy infrastructure with secure, scalable private cloud.

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



Business Need

- 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



Solution 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

Energy Priorities



Remote Operations



OT Security



Asset Resilience



Operational Visibility

Business Impact



Stronger Resilience



Better Field
Visibility



Scalable Energy
Data Support



Improved Operational
Efficiency



Stronger Security

Relevant Capabilities



United Private
Cloud®



UnitedSecure™



UnitedConnect®



UPC Accelerated



UPC Built-in
Intelligence



DRaaS / Cyber
Vault

Scale Smarter. Secure Faster.



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