



MIDDLE CANYON KLONDIKE

Use Case Applications

Cyber / Security

- Detect anomalous behavior in network traffic to identify vulnerabilities
- Analyze data-in-motion and at rest can help find new associations or uncover patterns and facts
- Analyze internet, smart devices, and social media data to prevent criminal threats
- Disrupt planned cyber and criminal activities

Video Image Processing

- Process data streams like video, speech, image faster
- Leverage advanced object recognition technologies to locate threats faster, safer, and more accurately i.e. for self-driving cars and interactive robots

Cryptocurrencies

- High power cryptocurrency mining
- Blockchain management

Speech Recognition

- GPU-accelerated deep learning recognizes words as well as people do
- Reduced language model training times

Radar Signal Processing

- Calculate over 400K glints per second
- Simulate systems in seconds/minutes instead of days

Oil and Gas

- Manage, visualize and optimize exploration and production operations
- Determine drilling and completion of wells
- Predictive and reduce down-hole failures

Finance

- Correlate impact of economic trends and hedge funds related to portfolios
- Campaign and conversion analysis
- Analyze critical markets and evaluate credit worthiness

Healthcare

- Analyze clinical trials, cross-trials, and drug compliance
- Identify patient populations that could benefit from predictive outreach
- Identify disease risk

Transportation

- Real-time management of traffic patterns and congestion
- Live monitoring of railroad conditions
- Optimize long-haul trucking routes and load capacities

Manufacturing

- Leverage live streaming analytics on component functionality to ensure safety, avoid failures and validate warranty claims
- Monitor real-time data feeds from laboratory and production-line machinery to identify catastrophic events and generate notification
- Predict maintenance and monitor conditions

Telco

- Correlate call records with server performance data to spot problems in real-time and build ad targeting profiles
- Analyze intra-day billing

Ad Tech

- Assess inventory availability
- Optimize campaign management and conversion
- Analyze campaign performance

Retail

- Analyze historical sales to determine geographic product demand for future inventory and store locations
- Manage real-time supply chain for replenishment and inventory management
- Manage ad-tech, geospatial tagging and customer preference recommendations