CUSTOMER SUCCESS STORY

MicroSeismic

~30-40% REDUCTION in development time[1]

MicroSeismic Evaluating HPC in the Cloud for Scalable, Cost-Effective Data Analysis

MicroSeismic, Inc. (MSI) offers its clients in the energy sector a variety of services for targeting and monitoring hydraulic fracturing operations to optimize oil production which involves the use of distributed sensors that collect massive volumes of data. A new proof-of-concept (PoC) deployment performed with the aid of Six Nines IT demonstrates how MSI can benefit from migrating some of their HPC workloads to cloud instances optimized for HPC and AI with Intel technologies. Expanding their options to Amazon Elastic Compute Cloud (Amazon EC2) C5d instances with support for Intel® Advanced Vector Extensions 512 and Intel® Deep Learning Boost has demonstrated the potential to increase the elasticity for large workloads, accelerate time to insight during data analysis and lower the cost-per-terabyte during data processing.

> "Based on MicroSeismic's proof-of-concept analysis, Amazon EC2 C5d instances and underlying Intel technologies offer the potential to deliver faster results and greater value to our clients at a lower cost. Data sets that previously required an overnight analysis could reveal meaningful insights in as little as thirty minutes."
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> **Peter Duncan, President and CEO, MicroSeismic, Inc.**

Products and Solutions
2nd Gen Intel® Xeon® Scalable processors
Intel® Deep Learning Boost
Intel® Advanced Vector Extensions 512

Industry
Oil & Energy

Organization Size
51-200

Country
United States

Partners
AWS
Six Nines

Learn more
Case Study

1 For more complete information about performance and benchmark results, visit https://www.intel.com/content/www/us/en/customer-spotlight/stories/microseismic-cloud-hpc-customer-story.html