



# China National Petroleum Corporation Boosts Seismic Processing

China National Petroleum Corporation (CNPC) is the world's largest oil company by revenue. They are both an oil company and oilfield service provider with interests in over 30 countries. CNPC needed to accelerate processing and data movement for the Pre-Stack Time Migration (PSTM) workload which runs for 15 days, writing up to 360 GB of data to the data disk and 17.83 GB to the system disk. Time to solution suffered because of data movement and processing time. Intel® Xeon® Scalable processors offered more cores and computing capacity with Intel® Advanced Vector Extensions 512. Intel® SSDs for Data Centers also addressed I/O bottlenecks. With a faster, more efficient, high performance computing (HPC) cluster, CNPC can get results quicker from their seismic teams.

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