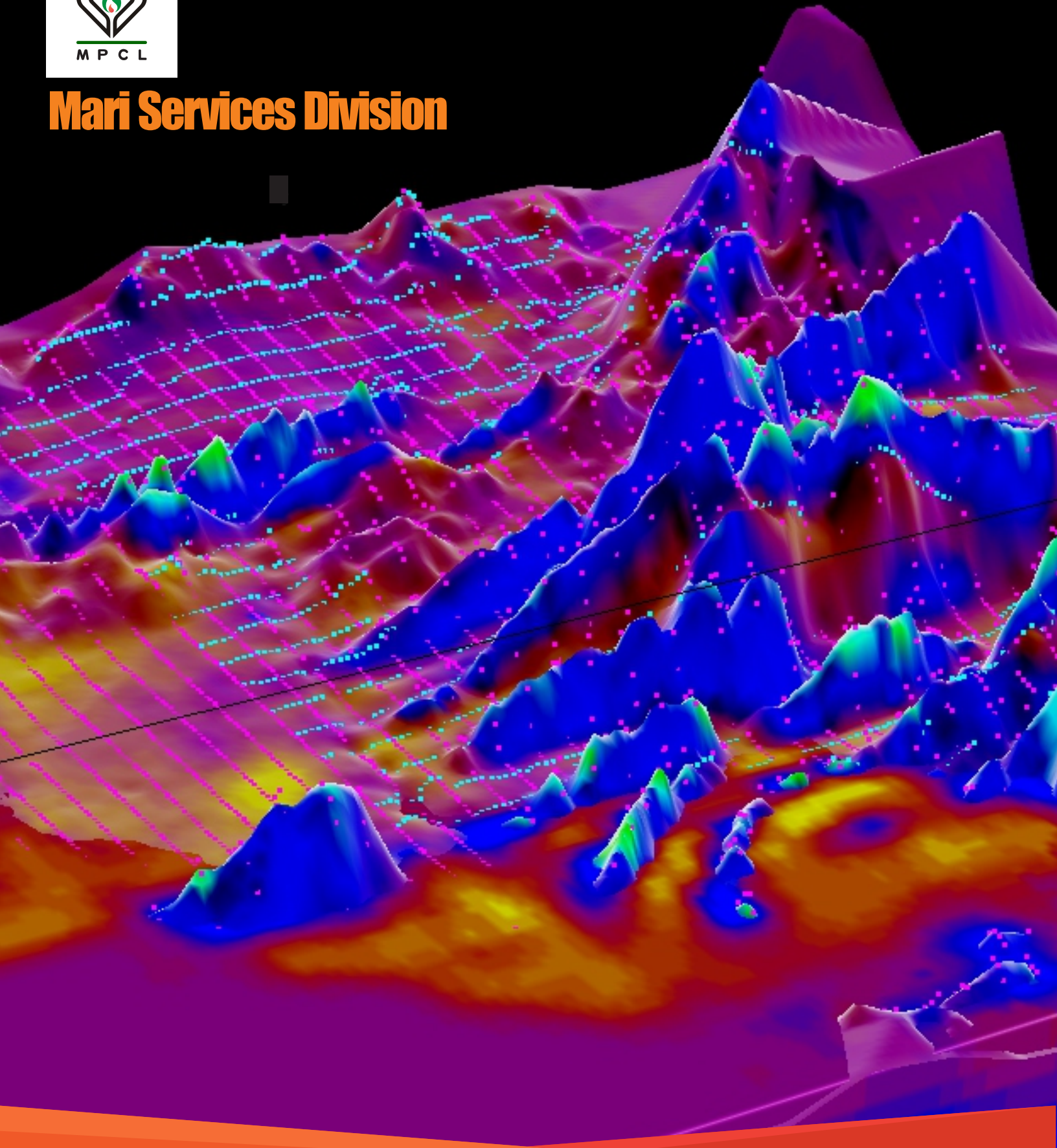




Mari Services Division



Seismic Data Processing Services

Mari Services Division

Seismic Data Processing Services

Features

- ✓ Comprehensive suite of 2D/3D Seismic data processing & imaging
- ✓ Seismic reservoir characterization
- ✓ Utilizing cutting edge software Geovation/Hamson & Russel by CGG
- ✓ Over 500 batch processing modules
- ✓ 2D, 3D land processing
- ✓ Interactive Processing & QC
- ✓ Scalable hardware powered by 960 core computing nodes for both time/depth

Datasheet

| | |
|---|---|
| Computing Nodes | SUPERMICRO® SYS-5039MS-H12TRF & SYS-5038ML-H12TRF 672 Cores, 14 X (12 x 4core microprocessor sleds. Processor (1 x KBL-S 4C Intel Xeon E3-1240V6 3.7G 8M 72W H4 1151), 32GB Memory (2 x 16GB DDR4-2400 2RX8 ECC VLP UDIMM), 2TB Disk Space (2 x 1TB 3.5" 1TB SATA 6Gb/s 7.2K RPM 128MB). 288 Cores, 6 X (12 x 4core microprocessor sleds, Processor (1 x Intel® Xeon CPU E3-1241 v3 @ 3.50GHz), 32GB Memory (4x 8GB DDR4-1600 2RX8 ECC VLP UDIMM), 2TB Disk Space (2 x 1TB 3.5" 1TB SATA 6Gb/s 7.2K RPM 128MB). |
| Application Server | Dell™ PowerEdge R740, 2 X (2 x Intel® Xeon® Gold 6130 2.1G,16C/32T,10.4GT/s 2UPI, 22M Cache, Turbo, HT (125W) DDR4-2666). 256GB Memory (16 x 16GB RDIMM, 2666MT/s, Dual Rank), 4TB Disk Space (4x 1.2TB 10K RPM SAS 12Gbps 512e 2.5in Hot-plug Hard Drive) |
| Logger, GDBS, NFS | GDBS, NFS, Tape System, Dell™ PowerEdge R640, 3 X (2 x Intel® Xeon® Gold 5118 2.3G, 12C/24T, 10.4GT/s 2UPI, 16.5M Cache, Turbo, HT (105W)), 750W. 128GB Memory (8 x 16GB RDIMM, 2666MT/s, Dual Rank). 4/8TB Disk Space (10K RPM SAS 12Gbps 512e 2.5in Hot-plug Hard Drive). 10G Network Interface (Broadcom 57412 Dual Port 10Gb, SFP+, PCIe Adapter, Low Profile). |
| Storage Array | Dell Power Vault Md1200 48TB Raw Data Storage Disk Tray. 12 drive slots 12 x 4TB HDD: NL SAS 7.2K 6Gbps. 96TB Raw Data Storage disk Tray. 12 drive slots HDD: 12 x 8TB NL SAS 7.2K 12Gbps. 144TB Disk Storage |
| Tape Library | 2 X LTO5-140 Drives, 24 slots 6Gbps SAS Dual Port HBA. |
| Tape Drives | 2 X 3592-E07 (TS1140) Drives, 8Gbps FC Dual Port HBA, 1x3490 Drive, SCSI Interface. |
| Workstations | Dell Precision 7920 Tower: 2 x Intel Xeon Silver 4208 2.1GHz, 3.2GHz Turbo, 8C, 9.6GT/s 2UPI, 11MB Cache, HT (85W) DDR4-2400). 96GB Memory (12 x 8GB DDR4 2666MHz RDIMM ECC Memory), 2TB Disk Space (2 x 3.5" 1TB 7200rpm SATA Hard Drive). NVIDIA Quadro P4000, 8GB, 4 DP (7X20T)/ NVidia Quadro RTX4000, 8GB, 3DP, Virtual Link (XX20T). Dell Precision 7920 Tower: 2 x Intel Xeon Silver 4208 2.1GHz, 3.2GHz Turbo, 8C, 9.6GT/s 2UPI, 11MB Cache, HT (85W) DDR4-2400). 96GB Memory (12 x 8GB DDR4 2666MHz RDIMM ECC Memory), 2TB Disk Space (2 x 3.5" 1TB 7200rpm SATA Hard Drive). NVIDIA Quadro P5000, 8GB, 4 DP (7X20T)/ NVidia Quadro RTX4000, 8GB, 3DP. |
| Stage / IO Systems | Dell™ PowerEdge R740XD, 6 X (2 x Intel® Xeon® Gold 5118 2.3G, 12C/24T, 10.4GT/s 2UPI, 16.5M Cache, Turbo, HT (105W)). 128GB Memory (8 x 16GB RDIMM, 2666MT/s, Dual Rank). 600TB Disk Space (6 x 12TB 7.2K RPM NLSAS 12Gbps 512e 3.5in Hot-plug Drive. 10G Network Interface (Broadcom 57412 Dual Port 10Gb, SFP+, PCIe Adapter, Full Height) Dell™ PowerEdge R740XD, 8 X (2 x Intel® Xeon® Gold 5118 2.3G, 12C/24T, 10.4GT/s 2UPI, 16.5M Cache, Turbo, HT (105W)). 128GB Memory (8 x 16GB RDIMM, 2666MT/s, Dual Rank).1 Petabyte – 1PB or 1020TB Disk Space (10 x 12TB 7.2K RPM NLSAS 12Gbps 512e 3.5in Hot-plug Drive. 10G Network Interface (Broadcom 57412 Dual Port 10Gb, SFP+, PCIe Adapter, Full Height) |
| Backup Servers for Data backups, | Dell™ PowerEdge R740XD, 2 X (2 x Intel® Xeon® Gold 5118 2.3G, 12C/24T, 10.4GT/s 2UPI, 16.5M Cache, Turbo, HT (105W)). 128GB Memory (8 x 16GB RDIMM, 2666MT/s, Dual Rank). 200TB Disk Space (12 x 12TB 7.2K RPM NLSAS 12Gbps 512e 3.5in Hot-plug Drive. 10G Network Interface (Broadcom 57412 Dual Port 10Gb, SFP+, PCIe Adapter, Full Height) |