NVIDIA® Quadro® Professional Solutions for the Energy /Oil & Gas Market
Visual Computing Solutions for the Oil & Gas Industry

CUDA Computation
- Seismic Acquisition
- Seismic Processing
- Seismic Imaging
- Interpretation
- Reservoir Characterization
- Petrophysics
- Well Planning
- Drilling
- Reservoir Engineering
- Economics

Quadro Visualization

Key Focus Markets

Workstations
Mobiles
Desk Sides
Data Centers
Pain Points & Solutions

• Energy Markets Problems are BIG
  – Big Data – Petabytes
  – Big Volumes – 100’s GB
  – Big Display – 4K panels and Projectors
  – Big Memory – 4GB+ FB needed
  – Big Processing Needs – 10,000 nodes

Quadro FX 5800
QuadroPlex 2200 S4
QuadroPlex 2200 D2
Tesla C1060
Tesla S1070
Key ISV’s

- Schlumberger
- Landmark
- Paradigm
- SMT
- ArcGIS
- Roxar
NVIDIA® Quadro® Plex Middleware Platforms

Multi GPU and Cluster Aware Tool kits
- NVSG
- Open Producer
- Equalizer
- CEI

Virtualization and Remoting
- Citrix
- VMWARE
- Thin Anywhere
- HP RGS
- SUN

Distributed Rendering
- NVScale (was Modviz VGP)
- Techviz
- Scalable Graphics
- Tungsten Graphics
- CEI Ensight (Scientific Visualization)
- NV iRT

Graphics Web Applications
- Mental Reality Server
IHVs

- CyViz
- Barco
- Halliburton
- Schlumberger
- MechDyne
- Sony
NVIDIA delivers solutions for every pain point for the upstream Oil & Gas market.

- Highest GFX performance
- Largest Frame Buffer
- Largest Display Support
- Greatest Computational Performance
- Broad Mutli-Core programming support