



WebSteering 2016.1.2

Stay ahead of the drill bit



GVERSE™ WebSteering

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GVERSE WebSteering is designed specifically to help geoscientists' geosteering horizontal wells in thin pay zones and to direct the drill bit in real time.

It is the only web browser based geosteering application in the industry that delivers optimal well placement with simple data loading and full integration with GeoGraphix. GVERSE WebSteering installs into the web browser like a plugin and then it's simple to load curve and survey data from the rig, add type logs and subsurface grids from GeoGraphix®, and start steering within minutes. At any point, data can be sent back to GeoGraphix for further analysis using GeoGraphix's feature-rich suite of tools. GVERSE WebSteering runs even when disconnected from your corporate network so whether you are in the office or working remotely, you can define a target surface and send updated drilling targets to the rig.

GVERSE WebSteering is a complementary tool for GeoGraphix users who can sync their interpretations on-the-fly with their GeoGraphix projects and update their target surfaces in smartStrat®. This application lets you **stay ahead of the drill bit** with real time information accessible from anywhere.



Benefits

Flexible: Geosteer in the office, at home, or in the field.

Simple: Load LWD and survey data using drag-and-drop or by connecting to a WITSML server. Data are saved into LMKR GeoGraphix projects with a single button click.

Integrated: Select type logs and gridded surfaces from GeoGraphix and send results back to GeoGraphix to model more accurate target surfaces.

Key Features

Real Time Horizontal Well Correlation and Geosteering

- Web-based software works when connected or disconnected to a GeoGraphix server. Simple and easy to use workflows for horizontal well correlation and geosteering
- View the geology of the target surface and the geometry of wellbore path
- Calculates percent and length of wellbore in target zone

Real time data Integration

- Utilize real time data for horizontal well correlation and geosteering from WITSML data providers
- Send drilling parameters to the rig on the fly
- Share results by sending a saved file to other geologists to open in their web browser

Fast Data Loading and Striking Presentation

- Load LWD data by dropping LAS files or MS Excel spreadsheets onto browser window.
- Automatic conversion of LWD into a typelog
- Integrated view with full zooming capabilities and synchronization of graphs - including LWD, wellbore directional survey and typelogs
- Fully customizable display
- Multiple log curves (GR, ROP, Mud Log) visible simultaneously

Technical Geosteering

- Technical Geosteering based on Relative Stratigraphic Depth
- Automatically calculates True Vertical Depth (TVD), Northing, Easting and Vertical Sections Distance (VSD) from MD, Inclination and Azimuth.

Integration with LMKR GeoGraphix

- Integrates with GeoGraphix.
- Real time data from WITSML data providers loaded into GeoGraphix
- Geosteered segments exported back to GeoGraphix.



Requirements

The following section list the system requirements for the WebSteering software.

Software

The software that must be installed on the system running the WebSteering software are as follows:

- GeoGraphix Discovery 2015.1.x or 2016.1
- Microsoft .NET Framework 4.2 or greater.
- LMKR License Management Tool 2016.1 for WebSteering license. The LMKR License Management Tool (LMT) must be installed to configure the WebSteering license.
- Adobe Reader for selected help files (optional).

Note: *It is recommended that you run the WebSteering software on Internet Explorer 11.X.X and Google Chrome 42.X.X.X or later.*

Operating System

- Windows 7

Note: *We recommend installing the latest Microsoft service packs and security patches.*

Hardware

- Quad 2.4 GHz 64-bit Intel® class or better.
- 4 GB RAM or greater.
- 1280x1024 graphics resolution.

Licenses

The following licenses are required to run the WebSteering software:

- GVERSE WebSteering 2016.1 license.
- GeoGraphix Discovery 2015.1.x or 2016.1 license.

Note: *Refer to the LMKR Customer Support Portal (<http://support.lmkr.com/>) for up-to-date information on the requirements.*