Leapfrog Energy File Types

For Leapfrog Energy Version 2026.2

Inputs

- Wells
- Planned Wells
- Meshes/Surfaces
- Points
- Polylines
- GIS Data
- 2D Grids
- Design Models
- Structural Data
- Geophysical Data
- Maps
- Images
- Historical Sections
- MODFLOW, FEFLOW and TOUGH2 Flow Models

File Types (Imports)

Drilling Data

- AGS Files (*.ags)
- ASCII Text Files (*.asc)
- CSV Text Files (*.csv)
- Data Files (*.dat)
- Plain Text Files (*.txt)
- TSV Text Files (*.tsv)
- Well Deviation Files (*.dev)

Log ASCII Standard Files (*.las) can be imported to existing drilling datasets.

Planned Wells

- CSV Text Files (*.csv)

Directional Drilling Plans

- CSV Text Files (*.csv)

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Elevation Grids

- Arc/Info ASCII Grid Files (*.asc, *.txt)
- Arc/Info Binary Grid Files (*.adf)
- Digital Elevation Model Files (*.dem)
- ESRI.hdr Labelled Image Files (*.img, *.bil)
- GeoTIFF Files (*.tiff, *.tif)
- Geosoft Grid Files (*.grd)
- Grid eXchange Files (*.gxf)
- SRTM Files (*.hgt)
- Surfer ASCII or Binary Grid Files (*.grd)

GIS Vector Data

- Shape Files (*.shp)
- MapInfo Files (*.tab, *.mif)
- ESRI Personal GeoDatabase Files (*.mdb, *.accdb)
- MapInfo Batch File (*.xml)
- ESRI Geodatabase (*.gdb)

Maps/Photos/Cross Sections

- Graphics Interchange Format Files (*.gif)
- JPEG Files (*.jpg, *.jpeg)
- PNG Image Files (*.png)
- Tag Image Files (*.tiff, *.tif)
- Windows Bitmap Files (*.bmp)

Meshes

- Alias Wavefront Object Files (*.obj)
- AutoCAD Drawing Files (2013/LT2013) (*.dwg)
- Bentley Drawing Files (v8) (*.dgn)
- DXF Polyface Files (11/12 [AC1009]) (*.dxf)
- Datamine Files (*.asc, *.dm)
- GOCAD Files (*.ts)
- Gemcom Files (*.tri)
- Leapfrog Energy Attribute Binary Mesh Formats (*.msh, *.ara)
- Leapfrog Model Files (*.lfm)
- Micromine Files (*.dat)
- Surpac DTM Files (*.dtm)

Points

- CSV Text Files (*.csv)
- ASCII Text Files (*.asc)

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- DXF Files (11/12 [AC1009]) (*.dxf)
- Data Files (*.dat)
- Leapfrog Energy 3D Point Data files (*.pl3, *.ara)
- XYZ Files (*.xyz)

Points can also be imported via ODBC (*.mdb, *.accdb).

Polylines

- AutoCAD Drawing Files (2013/LT2013) (*.dwg)
- Bentley Drawing Files (v8) (*.dgn)
- Datamine Polyline Files (*.asc)
- Drawing Interchange Polylines Files (*.dxf)
- Gemcom Polylines (*.asc)
- Leapfrog Polylines (*.lfpl)
- Leapfrog Straight Polylines (*.csv)
- Micromine Polylines (*.str, *.asc)
- MineSight Polylines (*.srg)
- Old Leapfrog Polylines (*.csv, *.txt)
- Surpac String Polylines (*.str)

Structural Data/Lineations

- ASCII Text Files (*.asc)
- CSV Text Files (*.csv)
- Data Files (*.dat)
- Plain Text Files (*.txt)
- TSV Text Files (*.tsv)
- XYZ Files (*.xyz)

2D Geophysical Points

- ASCII Text Files (*.asc)
- CSV Files (*.csv)
- Data Files (*.dat)
- Plain Text Files (*.txt)
- TSV Text Files (*.tsv)
- XYZ Files (*.xyz)

2D Geophysical Grids

- Arc/Info ASCII Grid (*.asc, *.txt)
- Arco/Info Binary Grid (*.adf)
- Digital Elevation Model (*.dem)
- ESRI .hdr Labelled Image (*.img, *.bil)
- Geosoft Grid (*.grd)
- Grid eXchange File (*.gxf)
- Intergraph ERDAS ER Mapper 2D Grid (*.ers)

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- SRTM .hgt (*.hgt)
- Surfer ASCII or Binary Grid (*.grd)
- XYZ Files (*.xyz)

3D Geophysical Grids

- GOCAD Voxet Files (*.vo)
- Geosoft Voxels (*.geosoft_voxel)
- Magnetotelluric Resistivity (OUT) Files (*.out, *.out.gz, *.mod)
- UBC Mesh Files (*.msh)

Alignments

- LandXML (*.xml)

Designs

- DGN (*.dgn)
- DWG (*.dwg)
- DXF (*.dxf)

Block Models

- CSV + Text Header (*.csv, *.csv.txt)
- CSV with Embedded Header (*.csv)

Flow Models

- MODFLOW Grid Specification Files (*.gsf)
- MODFLOW Name Files (*.nam, *.mfi, *.mfn, *modflow.ini)
- FEFLOW Problem Files (*.fem)
- FEFLOW Results Files (*.dac)
- TOUGH Geometry Files (*.dat)
- TOUGH Input Files (*.dat files)
- TOUGH Simulation Output Files (*listing, *.csv files)

Geophysical Data

- DFN Files (*.dfn)
- UBC Grids (*.msh, *.nev)

SEG-Y Data

- 2D and 2D crooked SEG-Y (*.segy, *.sgy) (external navigation files are not supported)
- 3D SEG-Y (*.segy, *.sgy)

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Colour Gradients

- ERMapper Lookup Tables (*.lut)
- Geosoft Colour Files (*.tbl)
- Leapfrog Colour Files (*.lfc)
- MapInfo Colour Files (*.clr)

Outputs

- 3D Surfaces and Volumes
- Planned Wells
- Well Tables
- Cross Sections
- Images
- Movies
- 3D Scene Files
- Block Models
- Stereonets
- GIS Lines
- Points
- Structural Data
- Polylines
- MODFLOW, FEFLOW and TOUGH Flow Models
- 3D Printed Models
- Publish Project to Central

File Types (Exports)

Drilling Data

- CSV Files (*.csv)

Meshes (Model Surfaces/Output Volumes/Form Interpolant Surfaces)

- Leapfrog Attribute Binary Mesh Format (*.msh)
- GOCAD Files (*.ts)
- DXF Files (11/12 [AC1009]) (*.dxf)
- Gemcom Files (*.tri)
- Datamine Files (*_pt.asc, *_tr.asc)
- Micromine Files (*_MMpt.dat, *_MMtr.dat)
- Surpac Files (*.dtm, *.str)
- DXF Polyface Files (11/12 [AC1009]) (*.dxf)
- Alias Wavefront Object Files (*.obj)

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- AutoCAD Drawing Files (2013/LT2013) (*.dwg)
- Bentley Drawing Files (v8) (*.dgn)

Batch Exporting Meshes, Model Surfaces, Model Volumes

- Leapfrog Model Files (*.lfm)
- Leapfrog Attribute Binary Mesh Format (*.msh)
- GOCAD Files (*.ts)
- DXF Files (11/12 [AC1009]) (*.dxf)
- Surpac Files (*.dtm, *.str)
- Gemcom Files (*.tri)
- Datamine Files (*_pt.asc, *_tr.asc)
- Micromine Files (*_MMpt.dat, *_MMtr.dat)
- DXF Polyface Files (11/12 [AC1009]) (*.dxf)
- Alias Wavefront Object Files (*.obj)
- AutoCAD Drawing Files (2013/LT2013) (*.dwg)
- Bentley Drawing Files (v8) (*.dgn)

Block Models

- CSV + Text Header (*.csv, *.csv.txt)
- CSV with Embedded Header (*.csv)
- CSV as points (*.csv)
- Surpac Block Model Files (*.mdl)
- Datamine Block Model Files (*.dm)

Cross Section Layouts

- PDF Files (*.pdf)
- Scalable Vector Graphics Files (*.svg)
- PNG Image Files (*.png)
- GeoTIFF Files (*.tiff, *.tif)

Cross Section Evaluations

- DXF Files (*.dxf)
- DWG Files (*.dwg)
- Bentley Drawing Files (v8) (*.dgn)

Design Models

- Leapfrog Attribute Binary Mesh Format (*.msh)
- GOCAD Files (*.ts)
- DXF Files (11/12 [AC1009]) (*.dxf)
- Gemcom Files (*.tri)
- Datamine Files (*.asc, *.asc)
- Micromine Files (*MMpt.dat, *MMtr.dat)

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- Surpac Files (*.dtm, *.str)
- DXF Polyface Files (11/12 [AC1009]) (*.dxf)
- Alias Wavefront Object Files (*.obj)
- AutoCAD Drawing Files (2013/LT2013) (*.dwg)
- Bentley Drawing Files (v8) (*.dgn)

Points

- CSV Files (*.csv)
- DXF Files (11/12 [AC1009]) (*.dxf)
- Drawing Files (2013/LT2013) (*.dwg)
- Bentley Drawing Files (v8) (*.dgn)

Polylines

- Leapfrog Polylines (*.lfpl)
- Leapfrog Mining Polylines (*.csv)
- Leapfrog Straight Polylines (*.csv)
- Drawing Interchange Polyline Files (*.dxf)
- Surpac String Polylines Files (*.str)
- Gocad Polylines Files (*.pl, *.ts)
- MineSight Polylines Files (*.srg)
- Datamine Polylines Files (*.asc)
- Micromine Polylines Files (*.str, *.asc)
- AutoCAD Drawing Files (2013/LT2013) (*.dwg)
- Bentley Drawing Files (v8) (*.dgn)

Geophysical Data/UBC Grids

- Grid (*.msh)
- Properties (*.nev)

Flow Models

- MODFLOW Models (*.nam)
- FEFLOW Models (*.fem)
- TOUGH Models (*.dat, *.csv)

Stereonets

- PDF Files (*.pdf)
- Scalable Vector Graphics Files (*.svg)
- PNG Image Files (*.png)

Structural Data

- CSV Files (*.csv)

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Elevation/Thickness Grids

- Arc/Info ASCII Grid Files (*.asc)
- ESRI .hdr Labelled Files (*.bil)
- ENVI Raster Image Files (*.img)
- Surfer ASCII Grid Files (*.grd)

GIS Vector Data

- Shape Files (*.shp)

Maps and Photos

- Geo Tiff Files (*.tif, *.tiff)

Saved Scenes (Viewer)

- Leapfrog Scene (*.lfview)

Movies

- Movie Files (*.wmv)

Rendered Images

- Image Files (*.png, *.jpg, *.jpeg)

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