

Petrosys PRO Mapping for Petrel

With a direct connection to Petrosys PRO, Petrel* users can extend their workflows with rapid and repeatable high quality subsurface map production, geologically intuitive contour based surface editing, a rich suite of geophysical and geologically focused surface modeling tools, and integration with other applications data stores.

Petrosys PRO Mapping

Petrosys mapping makes it easy to display well, seismic, surface, GIS and other data from Petrel* with flexible map rendering whilst adhering to corporate map standards:

- Reproducible production of families of OGIP and other field maps
- Reduced number of maps through map layering and grouping
- Dynamic conversion of coordinate reference systems
- Best in class contour displays
- Visual differentiation of historic seismic data

For petroleum engineering workflows, Petrosys adds mapping and analytical functions that might otherwise require more complex combinations of GIS and analytical tools:

- Map based analysis of reservoir attributes and field data
- Mapping and surface modeling from Excel spreadsheets
- Bubble maps and pie charts of production data
- Thematic mapping of production data

Surface Modeling

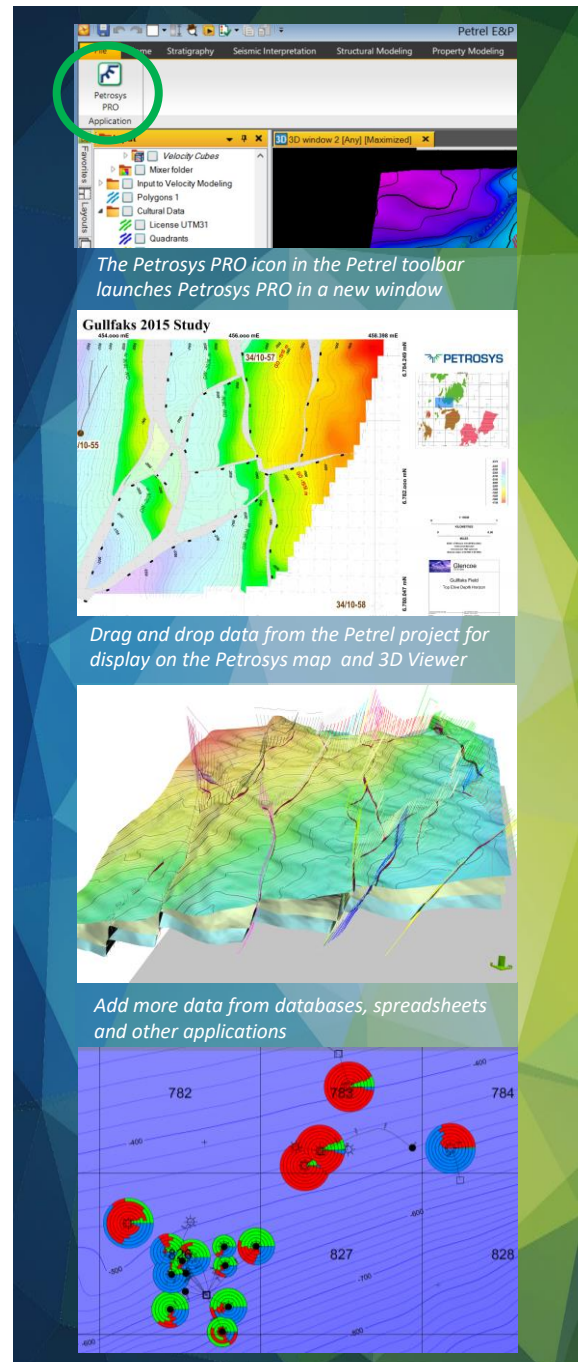
Petrosys surface modeling provides leading edge tools for rapid subsurface and spatial computations where the additional complexity of a full framework model are not warranted:

- Geologically realistic surfaces and fault polygons
- Graphical contour editing and surface patching
- Creation and use of fault polygons from Petrel fault sticks
- Transparent and time tested surface based volume calculation
- Flexible options for merging of grids
- Combination of Petrel grids from alternate UTM zones
- Rapid simple velocity and time to depth modeling
- Interpretation of reservoir edges from contour maps
- Flow mapping
- Computation and analysis of error and residual grids

Visualization

The Petrosys 3D visualization option lets you explore the relationship between map views, wells, surfaces and faults:

- Clear rapid validation of surface modeling operations
- Composite displays with data from multiple sources
- Drape maps on grids to provide references such as block boundaries
- Low cost of licensing and slim hardware requirements



The Petrosys PRO icon in the Petrel toolbar launches Petrosys PRO in a new window

Drag and drop data from the Petrel project for display on the Petrosys map and 3D Viewer

Add more data from databases, spreadsheets and other applications

"We need to improve the quality of the maps that we work with."
Senior VP-Exploration, Houston.

Petrosys PRO or PMMbP?

Petrel* users have a choice of two options for accessing Petrosys mapping functionality with their Petrel data:

Petrosys PRO is the Petrosys mapping and surface modeling application supplied and supported by Petrosys offices worldwide.

The Petrel Mapping Module by Petrosys (**PMMbP**) is a presentation mapping tool developed by Petrosys as a Petrel module, which can be supplied and supported by Schlumberger as part of a Petrel installation.

The **PMMbP** is an excellent solution for producing improved subsurface maps in a fully integrated Petrel environment with a single point of licensing and support.

Petrosys PRO comes into its own when your maps need the next step in content and flexibility; when EP data beyond that readily accessible in Petrel is to be used; and to provide fast accountable surface modeling from a broad range of data with a leaner software applications stack:

- Stand alone operation independent of interpretation systems
- Creation of archival snapshots of interpretation projects
- More automated map creation and surface modeling
- Minimize need for additional GIS / drafting steps
- ArcSDE, ShapeFile, Bing and other GIS connectivity
- EPOS, OpenWorks, Kingdom, DUG, SeisWare and more connectivity
- Cross checking of multiple sources for suspect data quality

Category	Functionality	Petrosys PRO	Petrel PMMbP
Map Based Displays	Display of wells, faults, and surfaces	✓	✓
	Display seismic 2D/3D nav. & interp.	✓	✓
	Create contours on-the-fly	✓	✓
	Display Petrosys and 3rd party data	✓	✗
	Display Petrel culture	✓	✓
	Display GIS data types	✓	✗
	Display Excel and other point data	✓	✗
	Legends, scales and title blocks	✓	✓
	Display Petrel raster images	✗	✓
	Display georeferenced GeoTiff	✓	✓
	Display WMS and other image sources	✓	✗
Multiple display layers of one data type	✓	✗	
Cartography and Geodetics	Edit a map template	✓	✓
	Manage company standard templates	✓	✓
	Rotated map template	✓	✗
	Project data into another CRS on map	✓	✓
Petrosys Surface Modeling	Gridding of Petrel & 3 rd party data	✓	✗
	Petrosys surface based volumetrics	✓	✗
	Multiple grid merging functions	✓	✗
	Petrosys time/depth and velocity tools	✓	✗
Spatial Editing	Spatial editing of Petrel GIS and contours	✓	✓
	Spatial Data Editing of 3rd Party Data	✓	✗
	Localised Regridding of Edited Contours	✓	✗
	Map based surface and fault editing	✓	✗
Interoperability	Map and Petrel cursor synchronization	✗	✓
	Petrel / 3 rd party systems data exchange	✓	✗
	Batch and automated operations	✓	✗
	Can run offline from Petrel	✓	✗
Publishing	Print direct to Windows printers	✓	✓
	Workflow enabled map automation	✓	✓
	Export to GeoTIFF, JPG, PNG, PDF	✓	✓
	Export to JPEG 2000, DXF and Powerpoint	✓	✗
Licensing and Support	Licensing and support through Petrosys	✓	✗
	Licensing and support through Schlumberger	✗	✓

Petrosys PRO is designed for use with Petrel 2017, 2016.1+, and 2015.3+. It can also connect to GeoFrame databases.

* Petrel E&P software platform is a mark of Schlumberger.

"Petrosys fits nicely between where Petrel ends and ESRI begins ..."
North American E&P applications support specialist.

WWW.PETROSYS.COM.AU



Contact Us

info@petrosys.com.au
www.petrosys.com.au

Australia +61 8 8227 2799
Americas +1 713 580 2900
Canada +1 403 537 5600
Europe +44 141 420 6555
Malaysia +60 3 2772 7357