

# RESERVOIR SIMULATION SUITE



## KEY FEATURES

- Full 64-bit functionality
- Multiple simulator support
- Supports ensemble plotting
- Hundreds of runs loaded and plotted in seconds
- Large multimillion cell models loaded in seconds
- Dashboards for common analysis workflows
- User defined dashboards
- Python scripting for workflows and batch processing
- Automatic export to MS Office—e.g. PowerPoint Presentation

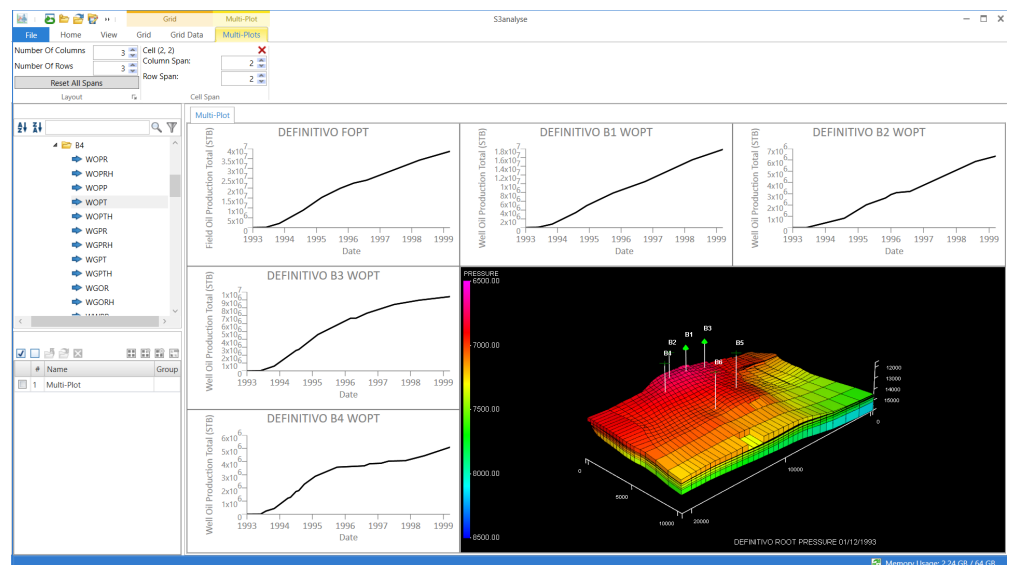
## Next generation reservoir simulation analysis

**S3analyse** is Sciencessoft's next generation reservoir simulation post-processing software package. Built on our experience of developing and supporting **S3GRAF** over many years, **S3analyse** takes reservoir simulation plotting and analysis to the next level.

**S3analyse** supports the widest range of simulators in the market, including Eclipse, Intersect (corner point grids), Nexus, T-Nav, Meteor and UTCHEM (with CMG support to follow). S3analyse's power and ease-of-use will enable reservoir engineers to enhance their productivity and make key decisions fast.

**S3analyse** will load and plot data from ensembles with 100s of simulation runs in seconds. Multiple standard dashboards include single run and ensemble NPV, with the ability for the user to create their own dashboards.

**S3analyse** also contains our proprietary and innovative HPG (High Performance Grids) technology. HPG enables engineers to load and view large grids (tens of millions of cells) and associated data (potentially several Gbytes in size) in seconds, thus eliminating the data loading bottleneck.



*Sophisticated and configurable dashboards with filtering*

- **Multi-simulator support**
- **Multi-million cell models loaded in seconds**
- **Hundreds of runs loaded and plotted in seconds**
- **Ensemble plotting**
- **Flexible NPV view and designer**
- **Export to MS Office**
- **Dashboards for common analysis workflows**
- **Predefined dashboards**
- **Python scripting for workflows and batch processing**

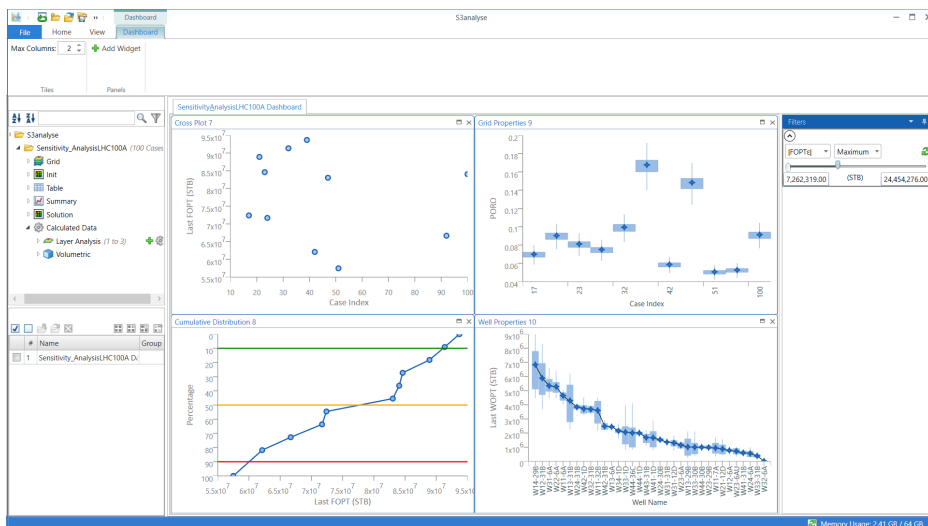


## Benefits

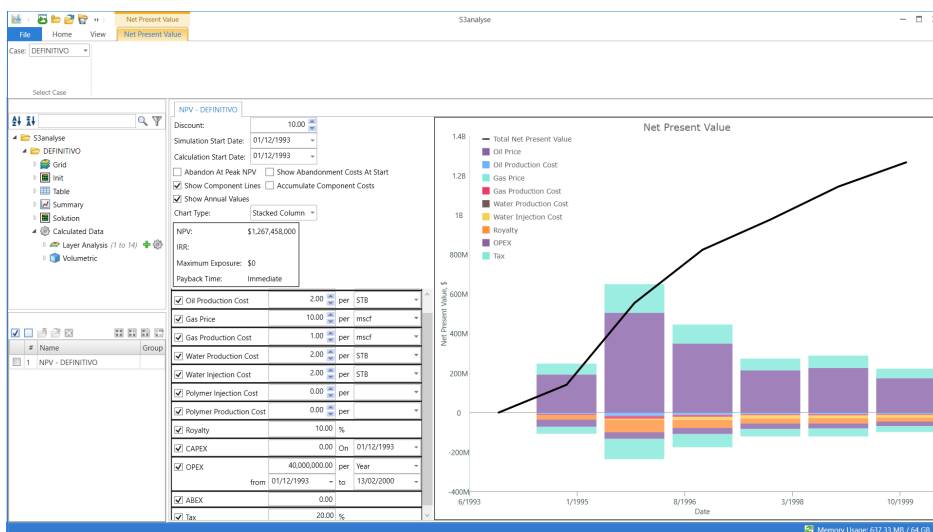
- On the fly load and creation of average and sum grid maps
- Single click Line Analysis, Scatter Plots and Histograms on grid properties
- Pulldown case selection for viewing and playing of any Solution vector in time
- Automated NPV calculation and plot, including costs of abandonment, polymer and taxes etc.
- Automated NPV for ensembles
- Mismatch plot for ensemble on Field or Well data
- Configurable dashboard plots run on the ensemble. These plots can be filtered by any Summary data including mismatches. The current selection of Dashboards is from,
- Cross Plots between Summary and INIT data
- Cumulative Distribution Plot
- Ensemble Line Plot with statistics on vector
- Grid Property Plot with Av, Std Dev and Max and Min for all cases
- Pearson Coefficient
- Radar Plot
- Well Statistics for wells ranked by production with Av, Std Dev and Min Max drawn on plot
- Export plots to PPT, Word or Excel
- Python scripting for user determined vector creation and plotting routines

## Concept Views

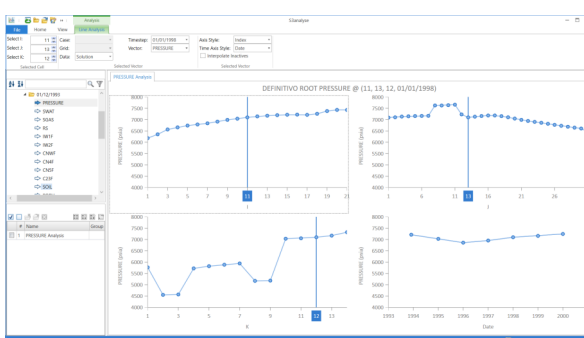
- NPV
- Dashboards
- Grid Cell Line Analysis
- Grid Data Histograms
- Grid Data Scatter Plots



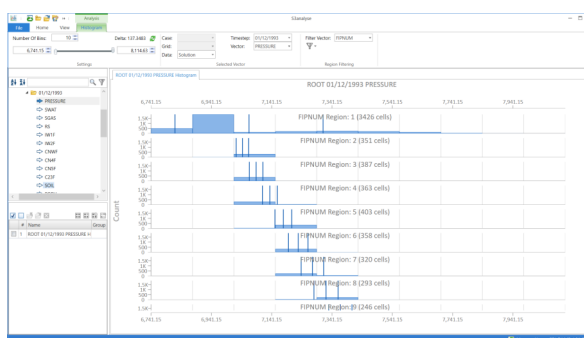
**Sophisticated and configurable dashboards with filtering**



**NPV—Net present value view**



**Line analysis view**



**Histogram view**



Sciencesoft Ltd  
Moorpark House  
11 Orton Place  
Glasgow  
G51 2HF

tel. +44(0)141 445 0330  
Fax. +44(0)141 445 2041  
E-mail - sales@sciencesoft.com  
Website - www.sciencesoft.com  
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