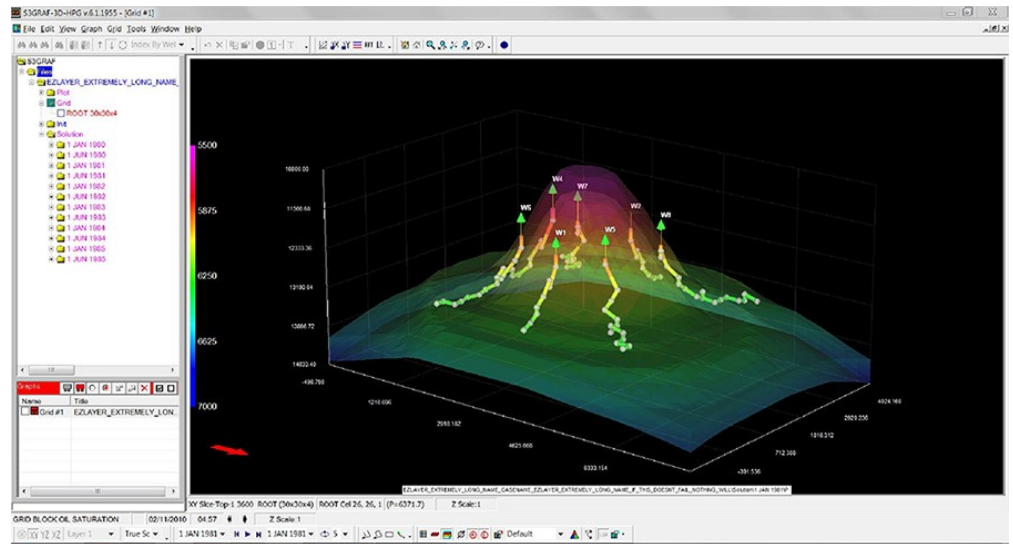# RESERVOIR SIMULATION SUITE

s3GRAF-3D
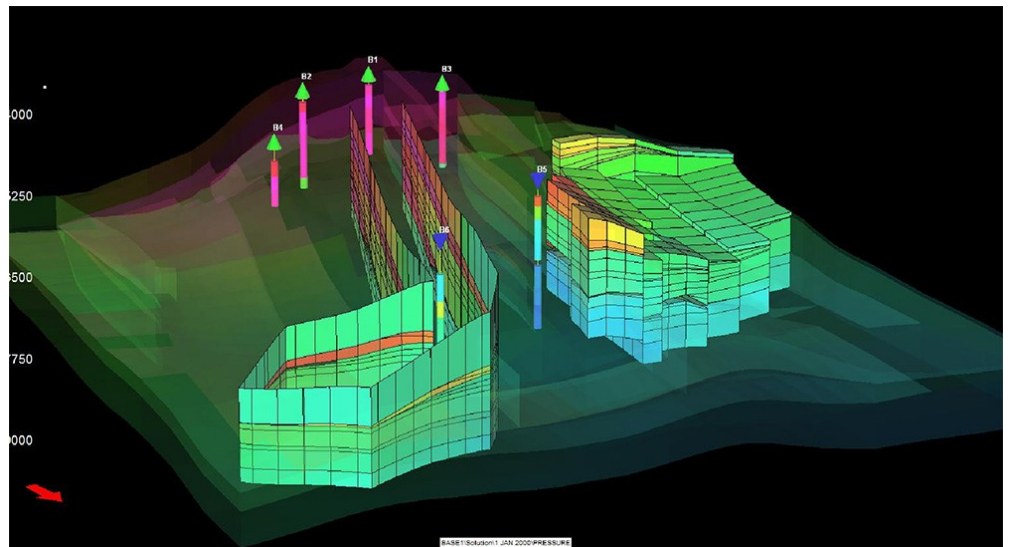
3D at the touch of a button

KEY FEATURES

- Multiple simulator support
- Seamless integration with S3GRAF
- Fetch on demand technology
- Minimum memory mode
- Multiple grids on-screen together
- Batch processing via GRF scripts
- Seamless integration with S3GRAF-HPG add-on module
- User-definable regions:
  - Polylines
  - Polygons (Arbitrary, Rectangular, Radial)
  - Thresholds
  - Grid Clips (Fence Plots)
- Volumetric calculations on field and regions
- User-functions on regions including region combinations
- Automatic reporting to MS Office applications
- Integration with the workflow manager for 3D analysis in workflows
- Exporting of properties for reintroduction as include files to the simulator model
- Statistics of displayed grid cells

Well tracks view

Polyline and polygon

- **Advanced 3D visualisation**

- **Multiple grids on screen for faster analysis**

- **User-definable properties (derived quantities) on grid regions**

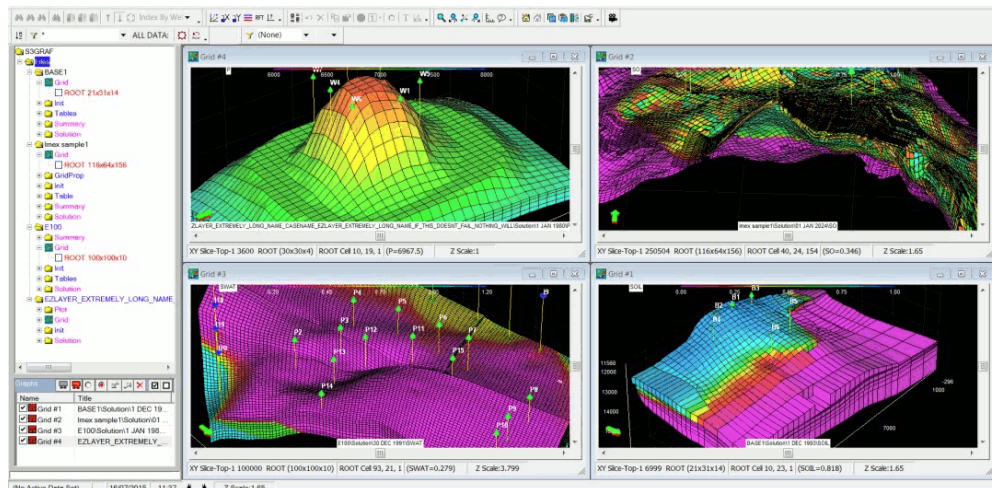- **Extensive range of 3D functionality**

S3 Sciencesoft®

BENEFITS

- Advanced 3D visualisation enables faster access to the model

- Multiple grids on-screen for faster analysis

- Enhances productivity

- Multiple simulator support, allowing standardisation

- Fast data loading and plotting

- Calculations capabilities on user-defined grid regions

S3GRAF is the powerful 3D component of S3GRAF which enables 3D visualisation and analysis of reservoir simulation models.

It is both easy-to-use and flexible in that it supports the widest range of simulators in the market including tNavigator, Eclipse, CMG, VIP, Nexus, Streamline (FrontSim and 3DSL) and UTCHEM.

Within **S3GRAF-3D** there are many advanced features and functions, enabling the reservoir engineer to quickly define and focus on regions of interest. Multiple views can be displayed on-screen simultaneously, from multiple simulators, for rapid analysis and decision making.

Multiple linked grids

Other Features

- Simple movie recording
- Integration with the workflow manager for 3D analysis in workflows
- Exporting of properties for reintroduction as include files to the simulator model
- Statistics of displayed grid cells
- Wide array of 3D visualisation functionality:
    - Rotate, pan , zoom.
    - View grid properties through time
    - Grid linking with copy and paste options
    - Streamlines
    - Cut Plane
    - Well Tracks
    - Explode view
    - Isosurfaces
- Simple movie recording
- Integration with the workflow manager for 3D analysis in workflows
- Exporting of properties for reintroduction as include files to the simulator model
- Statistics of displayed grid cells