RESERVOIR SIMULATION SUITE

S3GRAF- HPG

KEY FEATURES

- Multiple simulator support
- Seamless integration with S3GRAF
- Fetch on demand technology
- Minimum memory mode

The Wait Is Over

Grid Size	Restart File Size	Typical Load Time	S3GRAF-HPG Load Time	Time Saved Loading One Model	Weekly Time Saved
100,000	250 MB	1 min	1 sec	1 min	20 min
250,000	500 MB	2 min	2 sec	2 min	40 min
500,000	1 GB	5 min	5 sec	5 min	1h 40 min
1,000,000	2 GB	10 min	7 sec	10 min	3h 20 min
2,000,000	4 GB	15 min	10 sec	15 min	5 hours

Time saved using S3GRAF-HPG

- **Loads GBytes of grid data in seconds**
- **Banish the data loading bottleneck**
- **Outstanding time-saving benefits**
- **Enable the rapid screening of results**
- **Flexible NPV view and designer**
- **Export to MS Office**
- **Dashboards for common analysis workflows**
- **Predefined dashboards**
- **Python scripting for workflows and batch processing**

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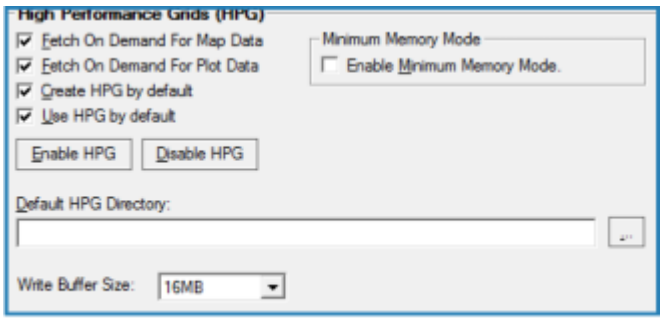
BENEFITS

- Massive productivity boost
- Loads GBytes of grid data in seconds
- Multiple simulator support allowing standardisation
- Seamless integration with S3GRAF
- Fast data loading and plotting
- Eases strain on hardware and IT requirements

S3GRAF-HPG (High Performance Grids) is the ground-breaking and innovative add-on module for **S3GRAF**, the leading reservoir simulation post-processing tool. It enables engineers to start work on GBytes of multi-million active cell grids and associated restart data in seconds eliminating the data loading bottleneck.

S3GRAF-HPG supports the widest range of simulators in the market including tNavigator, Eclipse, CMG, VIP, Nexus and UTCHEM.

It is easy-to-use and flexible, enabling reservoir engineers to enhance their productivity and make key decisions fast.



S3GRAF-HPG Options

Fetch on Demand

S3GRAF-HPG embraces fetch on demand and intelligently applies it to the needs of reservoir engineers. It enables an enormous improvement in data loading, up to 100x faster than conventional methods, meaning that engineers can get to work immediately on their data.

Minimum Memory Mode

S3GRAF-HPG also incorporates a minimum memory mode, which greatly reduces computer memory overhead. This means that only the data the engineer is displaying and working with actually resides in memory. When one vector is replaced by another (e.g replacing pressure with oil saturation on a grid view), any data no longer in use is removed from memory.

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Time saved using S3GRAF-HPG

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