

S E R A F I M Future®

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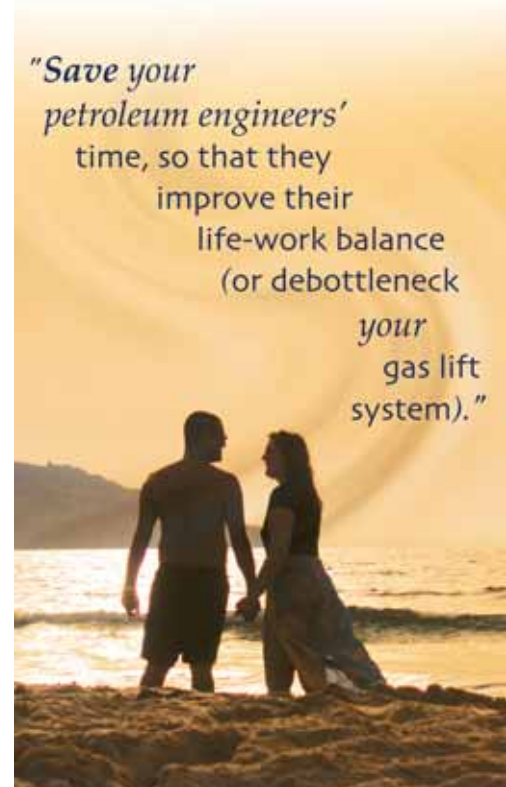
What is Serafim Future®?

Serafim Future is a software application and database developed by Serafim Ltd for handling of oil and gas production profiles. Production profiles generated by reservoir simulators, decline curve analysis or other methods can be imported, generated, aggregated, shifted and studied under different production constraints. Serafim Future is targeted at Reservoir Engineers who need to combine profiles from different sources, forecast future production, estimate reserves and study the effect of shared facilities constraints. Serafim Future can also be useful for asset managers and executives who need a secure and auditable reserves estimation system and a tool for field development planning and studying the effects of different development options.

Key features and benefit

- Serafim Future is a general tool for combining production profiles generated by different tools, solving the effect of network capacity/pressure constraints and studying different development scenarios.
- Serafim Future is designed with a focus on workflow management. Its robust database design and security features allow for auditing and comparison of profiles generated with different model.
- Serafim Future allows to do simple and more complicated tasks simply. Reservoir engineers can carry out tasks ranging from the aggregation of production profiles of several reservoirs and studying the effect of a time shift to solving for the effect of shared production facilities constraints efficiently and quickly.
- When dealing with field development planning, Serafim Future helps generating future production profiles, of a field or a collection of fields, under different development scenarios simply and without requiring detailed modelling.
- Serafim Future offers a range of innovative algorithms ranging from C-Curve decline analysis model to the Free Gas: Liquid Ratio method.

*"Save your
petroleum engineers'
time, so that they
improve their
life-work balance
(or debottleneck
your
gas lift
system)."*



Key Functions

- Combine and shift production profiles under shared production facilities.
- Easily import reservoir simulator and material balance results, carry out decline curve analyses on historic production, run internal material balance calculation and combine all results to generate production forecasting.
- Model surface facilities networks. Defining different types of constraints (capacity, flow, pressure, VFP etc)
- Define drilling schedules and different development scenarios. Generate production forecasts for each scenario. Easily compare outcomes of different scenarios.
- Audit results. Create reports of differences in input settings between two scenarios.
- Manage users' privileges and rights. Define reference forecasts for reserves estimation and/or for field development planning.

System requirements

- 166MHz processor or higher
- MS Windows NT or later.
- Minimum of 64MB RAM. Greater capacity required for bigger models.
- Approximately 30MB HD space for installation. The size of Serafim Future databases depends on model.
- Database platforms supported – MS Jet (included in Operating System), MS SQL Server or Oracle RDM

About Serafim Ltd

SERAFIM Ltd specialises in applying mathematics and mathematical reasoning to understand and solve practical problems in engineering and software development.

From the development of innovative solutions to their final implementation in the form of high value-adding software, our work is based on the techniques used in scientific and mathematical research. We currently work predominantly in oil-field reservoir engineering and project economics. Our clients are oil and gas companies, oil-field service firms, governments and other consultancies.



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