

Mator News

09/2003

Provider of innovative consultancy services in **gas/oil/water separation technology** and **condition based maintenance technology** for the oil and gas industry

HYSYS is now part of the Mator toolbox - explore the benefits of combining HYSYS and field collected experience

HYSYS is by itself a powerful tool for the design and optimization of gas/oil/water processing systems. Combining the traditional HYSYS steady state simulations with field collected information provides increased benefits to:

- ✓ **Design and dimensioning studies**
- ✓ **Verification exercises**
- ✓ **Studies and analyses in connection with optimal operation of equipment and systems**
- ✓ **Problem solutions and debottlenecking studies**

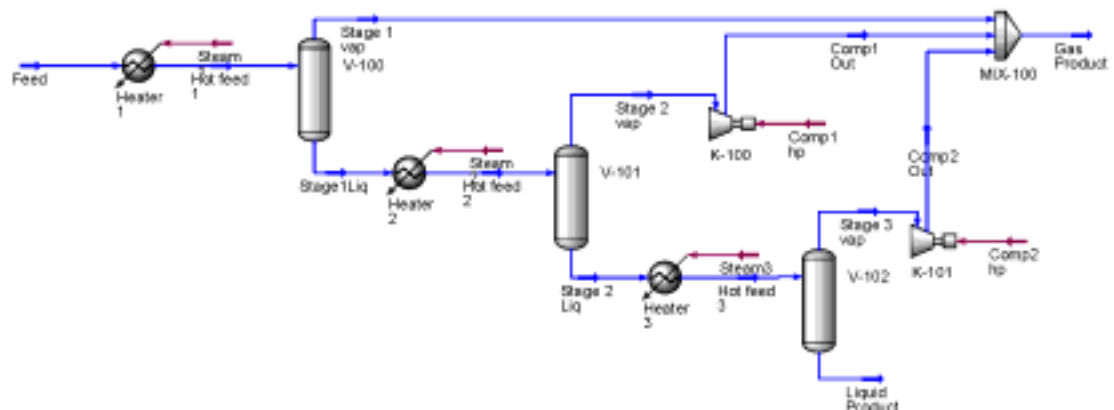


STUDIES:

- Debottlenecking studies
- Retrofit evaluations
- Optimization studies
- General Engineering
 - Conceptual studies
 - Process Design
 - Dimensioning analysis (separators, scrubbers, drums, etc.)
 - Efficiency evaluations (pumps, compressors, heat exchangers)
 - Pipe-simulations / evaluations of wells with use of phase envelopes

FIELD BASED PROJECTS:

- Preliminary studies as preparation before field based debottlenecking, verification or optimization solutions.
- Planning and evaluation of test matrix before for instance field based capacity testing.
- Saturation evaluation at field based tests of gas train / scrubbers.





Mator office in Aberdeen!



Demands for our services are increasing internationally. In order to serve our clients more efficiently Mator has established an office in Aberdeen.

Mator projects in the UK sector for clients such as TotalFinaElf, Texaco, Chevron, Shell, BP, and Mobil have previously been handled from Norway.

From 1st of October 2003 Mator will be present in Aberdeen with an office situated in the **Aberdeen Science and Technology Park**. The arrangement is a part of the Springboard UK program hosted by the Norwegian Trade Council. By this expansion we are hoping to build lasting relations in the UK oil- and gas industry, and to be given the possibility to exchange offshore experience from both the UK and Norwegian sectors.

Mator can be reached through the local telephone number **01224 357249**. The office will in the beginning be partly staffed but with a full time reception service. Please contact us for further details!

Additional information can be found on <http://www.springboarduk.co.uk/>

Our well-known services will by this be more readily accessible for the UK sector:

- ✓ Offshore troubleshooting and optimization of gas/oil/water separation and treatment processes.
- ✓ Verifications and problem solving for new and modified process plants.
- ✓ Separation equipment and chemicals testing.
- ✓ Establish process solutions in early phase studies, simulations and design.
- ✓ Process control optimization.
- ✓ Produced water quality assessment.
- ✓ Independent 3rd-party evaluations, cost/benefit analysis.
- ✓ Process separation seminars focusing on "Gaining insight in the separation process from the reservoir to the export pipeline".



Recent Mator projects:

- ◆ **Statoil Staffjord B:** Process baseline and optimization
- ◆ **Hydro Troll B:** Process baseline and zero discharge recommendations
- ◆ **ConocoPhillips Ekofisk:** Process separation seminars
- ◆ **Statoil Heidrun:** Separator scanning to verify clogged internals
- ◆ **Petoro:** Verification of zero discharge reports



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