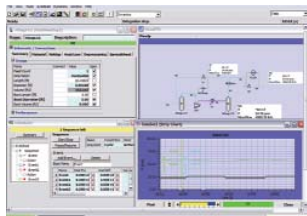


**VMGSim™
Integrated Steady State
and Dynamic Simulation.**



Easily create process models of refining, chemical and oil/gas processing to troubleshoot, design or optimize your plant. Create steady state models, size and rate vessels, columns and heat exchangers. Add your control system to the model and click a button to run dynamically. Use the dynamic wizards to create and run dynamic depressuring and blowdown studies and model multistage compressors and antisurge control. Create custom unit operations and economic models embedded in your process model by dragging the Excel operation onto your PFD. Graphical User interface driven by embedded Visio. Completely Interactive, bidirectional simulation solver.

For more information
visit our website at
www.virtualmaterials.com



www.aiche.org/cep or Circle No. 150 on p. 79

Dynatrol®
www.DynatrolUSA.com
Toll free 800.231.2062 Phone 713.869.0361 Fax 713.869.7332

Designed to monitor high, intermediate or low point-level detection on dry bulk solids as well as liquids or slurries, the **Dynatrol®** Level Detectors are available in corrosion-resistant coatings. The compact, rugged detectors are built in the USA and are solidly constructed for a long operating life. They have no moving parts, require no adjustments and are virtually wear-free – delivering a worry-free solution for your demanding service conditions.

Request your copy of
the latest **Dynatrol®**
catalog - on CD!



Covers the complete **Dynatrol®** line of level switches & detectors, on-stream process analyzers, measurement & control instruments and a new line of accessories. Includes detailed drawings, wiring diagrams, and examples of proven uses.

Automation Products Inc
3030 Maxroy St
Houston TX 77008
800 231-2062
sales@dynatrolusa.com
www.DynatrolUSA.com

www.aiche.org/cep or Circle No. 151 on p. 79



Midland Engineering, Ltd.

Specializing in.....

- ✓ Early Stage Process Evaluation
 - Process Definition
 - Preliminary Design
 - Process Flow Diagrams and Material Balances
 - Process Optimization
 - Early Stage Capital Estimates
 - Preliminary Economics
- ✓ Process Safety Analysis
 - Process Safety Management
 - Process Hazard Analysis
 - Individual Element Expertise
 - Responsible Care
 - Reactive Chemicals Expertise
 - LOPA
 - Auditing Services
 - PSM
 - RCMS
- ✓ Project Management
- ✓ Process Control
- ✓ Process Reliability
- ✓ Process Optimization
- ✓ Waste Reduction

Engineers with EXPERIENCE.
We get the job done right and on time!

Ph. 989 837 2296 or www.mideng.com

www.aiche.org/cep or Circle No. 152 on p. 79

**One name rises to
the top for FOAM
CONTROL**



TAYLOR CHEMICAL produces a complete line of SILICONE DEFOAMER COMPOUNDS & RELEASE EMULSIONS manufactured to exacting specifications. Available in technical, food, EPA & Kosher grades. Environmentally friendly. Our response time to customer shipment requirements is unrivalled. So is our value. Call **TAYLOR CHEMICAL CO., the anti-FOAM EXPERTS.**

Call: 770-339-4460
800-822-4460
Fax: 770-339-4464

www.TaylorChemical.com

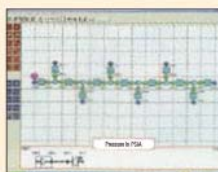
www.aiche.org/cep or Circle No. 153 on p. 79

**DESIGN FLOW
SOLUTIONS**

Free downloadable demo

DFS Version 4

is the most comprehensive, cost effective engineering aid available for complete hydraulic analysis of complex piping; effective solutions to fluid flow problems; and fast, reliable reference information



See our website,
www.abzinc.com for
more information and
to download a free
demo today.

ABZ, Incorporated
4451 Brookfield Corp. Dr., Suite 107
Chantilly, VA 20151
Phone: 800-747-7401
Fax: 703-631-5282
E-mail: sales@abzinc.com

www.abzinc.com

www.aiche.org/cep or Circle No. 154 on p. 79

**Free COMSOL
Conference CD**



COMSOL®, Inc. is now offering a free copy of the 2008 edition of the User Presentations CD! The CD is a compilation of over 250 user contributed slides, papers and models presented at the Boston and Grenoble Conferences. This unique presentation and proceedings CD covers a wide variety of applications including Chemical Engineering, Fluid Dynamics, Heat Transfer, Reaction Engineering and much more.

Request your complimentary copy at
www.comsol.com; Tel: 781-273-3322



www.aiche.org/cep or Circle No. 155 on p. 79