

Simulation Solutions, Inc.

179 Avenue at the Common, Suite 1
Shrewsbury, NJ 07702
dglaser@simulation-solutions.com

Tel: 732-389-5400
Fax: 732-389-0907
Cell 732-829-1456

Standard Programs Petrochemical/Chemical Plants Fundamental Programs

<i>Pump & Valve</i>	<input type="checkbox"/>	<i>Steam Boiler</i>	<input type="checkbox"/>
<i>Fluid Flow</i>	<input type="checkbox"/>	<i>Cooling Water Tower</i>	<input type="checkbox"/>
<i>Mix Tank</i>	<input type="checkbox"/>	<i>Flare System</i>	<input type="checkbox"/>
<i>Flash Drum</i>	<input type="checkbox"/>		

<i>Heat Exchanger (liquid/liquid)</i>	<input type="checkbox"/>	<i>pH Control Systems</i>	<input type="checkbox"/>
<i>Condenser</i>	<input type="checkbox"/>	<i>Twin Filters</i>	<input type="checkbox"/>
<i>Air Cooler</i>	<input type="checkbox"/>	<i>Vacuum Ejector System</i>	<input type="checkbox"/>
<i>Reboiler</i>	<input type="checkbox"/>		

<i>Centrifugal Pump</i>	<input type="checkbox"/>	<i>Basic Instrumentation I</i>	<input type="checkbox"/>
<i>Centrifugal Compressor</i>	<input type="checkbox"/>		
<i>Reciprocating Compressor</i>	<input type="checkbox"/>		
<i>Centrifugal Pumps</i>	<input type="checkbox"/>		

Intermediate Programs

<i>Distillation*</i>	<input type="checkbox"/>	<i>Gas Fired Steam Boiler *</i>	<input type="checkbox"/>
<i>Natural Draft Heater</i>	<input type="checkbox"/>	<i>Coal Fired Steam Boiler</i>	<input type="checkbox"/>
<i>Dual Fuel Fired Heater *</i>	<input type="checkbox"/>	<i>Natural Gas Turbine*</i>	<input type="checkbox"/>

*with Dynamic Profitability Analysis

Advanced Programs

<i>Batch Reactor</i>	<input type="checkbox"/>	<i>Co-Generation Power Plant</i>	<input type="checkbox"/>
<i>Fixed Bed Exothermic Reactor</i>	<input type="checkbox"/>	<i>Fluidized Catalytic Cracking Unit</i>	<input type="checkbox"/>
<i>Centrifugal Compressor w/ Utilities</i>	<input type="checkbox"/>	<i>Amine Gas Treating Unit</i>	<input type="checkbox"/>
<i>Gas Oil Separation Process (GSOP)</i>	<input type="checkbox"/>	<i>Delayed Gas Treating Unit</i>	<input type="checkbox"/>
<i>Multi-Stage Refrigeration</i>	<input type="checkbox"/>	<i>Advanced Instrumentation I</i>	<input type="checkbox"/>
<i>Atmospheric Crude Unit</i>	<input type="checkbox"/>	<i>140MW OR 210MW Reference Power Plant</i>	<input type="checkbox"/>
<i>Basic Combined Cycle Power Plant</i>	<input type="checkbox"/>	<i>Vacuum Crude Unit</i>	<input type="checkbox"/>

BOLD = Virtual Refinery/Outside Operator Capability