

PROVIDER OF

Apps for Process Simulation

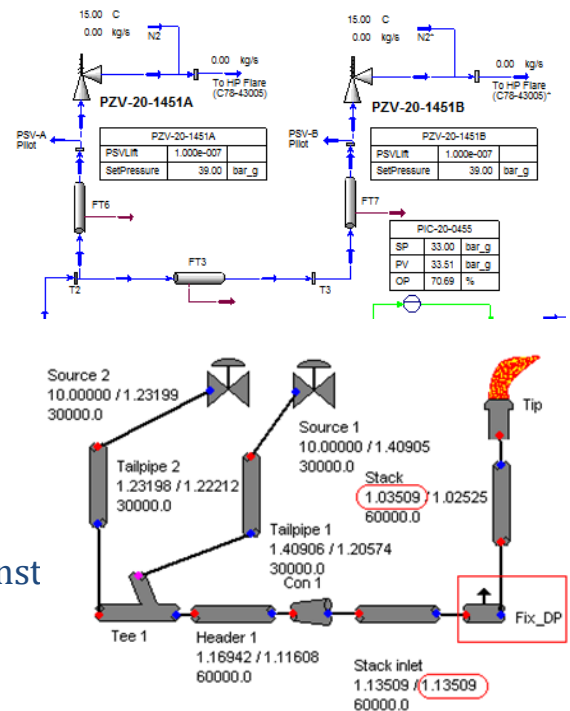
BPT software tools enhance the capabilities of your process simulation tools to improve your engineers efficiency and accuracy

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BPT-FSG™

Determine relief rates from dynamic simulation Import scenarios in Flare System Analysis software

- Tracks flow rates, pressures, temperatures and compositions of all selected relief sources in a dynamic model
- Captures the tracked data for peak flow rates
- Provides graphical analysis of captured data
- Exports selected scenarios
- File format imports directly into Aspen Flare System Analyser. Other formats can be created.
- Dynamic process model data can be used in accepted flare analysis tool
- Dynamic Flare model can be benchmarked against accepted flare analysis tool.



The bottom line

Determine real peak relief loads. Will a planned upgrade of capacity or feedstock change, really stress your relief system?

Maximize production within the plant integrity limits.

BPT FSG® assists realistic and cost effective production chain decisions.

BPT was founded 1998 in Norway. We develop and provide Apps for Process Simulation™. We deliver independent and trusted third-party specialist consultancy services to the upstream oil & gas industry, combining experience with leading edge simulation tools using our Apps.

For additional information please contact us at
+47 67 56 99 90 or send an e-mail to info@bpt.no
<http://www.bpt.no>

Registration and postal address:

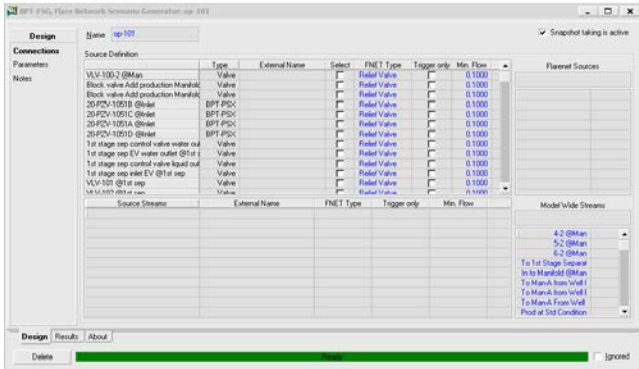
Billington Process Technology A/S
Hiltonaasen 36, 1341 Slepden, Norway



What is BPT-FSG®?

BPT-FSG® is available as an extension for Aspen HYSYS and other Hyprotech heritage dynamic simulation tools.

The App is easy to use and quick to implement in your process simulation.

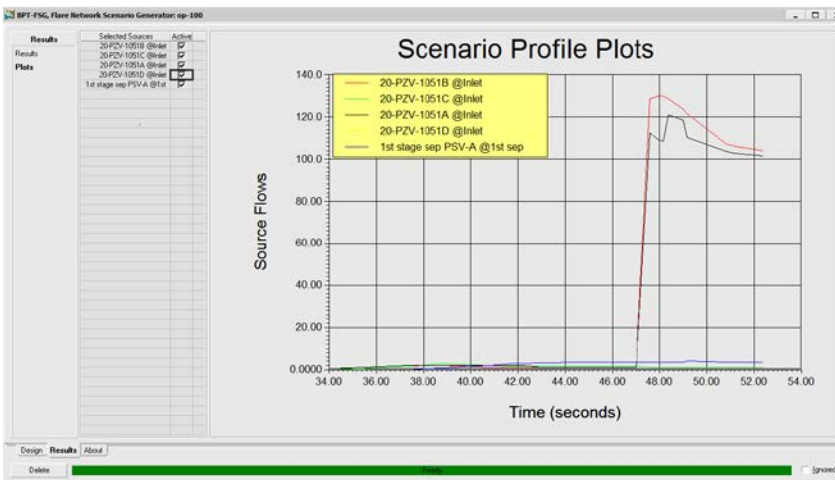


BPT-FSG analyses the flowsheet and automatically adds all potential relief sources to the interface.

For the selected sources, a corresponding external source name and relief device type can be provided. A list of external sources can be imported for easy reference. This ensures that the exported scenarios will seamlessly import into Aspen Flare System Analyser.

The parameters page contains information to guide the peak flow detection algorithm. The reduces the number of scenarios to a manageable number for cases that have an unstable behaviour.

Results can be consulted in table format and graphically. A second table allows the user to select which scenarios should be exported as Aspen Flare System Analyser scenarios.



BPT-FSG, Flare Network Scenario Generator: op-100

Results

Variable to show in table: Mass Flows

Scenario Results

	34.2	37.4	38.2
20-PZV-1051B @Inlet	3.112e-1	1.972	2.273
20-PZV-1051C @Inlet	3.183e-1	1.930	2.701
20-PZV-1051A @Inlet	0.4945	2.249	2.397
20-PZV-1051D @Inlet	2.036e-1	2.037e-1	2.032e-1
1st stage sep PSV-A @1st sep	3.465e-1	4.206e-1	0.6430

Export to Flare Network Simulation

Selected	Description
<input type="checkbox"/>	34.2 , triggered by 20-PZV-1051A @Inlet
<input type="checkbox"/>	37.4 , triggered by 20-PZV-1051B @Inlet
<input type="checkbox"/>	38.2 , triggered by 20-PZV-1051A @Inlet, 20-PZV-1051B @Inlet
<input type="checkbox"/>	38.8 , triggered by 20-PZV-1051C @Inlet
<input type="checkbox"/>	40.6 , triggered by 20-PZV-1051C @Inlet
<input type="checkbox"/>	42.2 , triggered by 20-PZV-1051C @Inlet, 20-PZV-1051A @Inlet
<input type="checkbox"/>	43.2 , triggered by 20-PZV-1051C @Inlet
<input type="checkbox"/>	46.6 , triggered by 20-PZV-1051C @Inlet
<input type="checkbox"/>	47.0 , triggered by 1st stage sep PSV-A @1st sep
<input type="checkbox"/>	47.8 , triggered by 20-PZV-1051A @Inlet
<input type="checkbox"/>	48.0 , triggered by 20-PZV-1051B @Inlet

Export to Flare Network Simulation

Select File Name for Export

Generate Flarenet Scenario



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