

# aspenONE® Petroleum Supply Chain — Feature Availability

Features	V7.3 May 2011	V8.0 Dec. 2012	V8.1 Feb. 2013	V8.2 May 2013	V8.4 Dec. 2013	V8.5 Feb. 2014	V8.7 Sept. 2014
<b>Aspen PIMS</b>							
Enhanced integration between Aspen Petroleum Scheduler, Aspen MBO, Aspen PIMS, and Aspen Assay Management	✓	✓	✓	✓	✓	✓	✓
New assay management in PIMS allows planners to add, modify, and re-cut assays, increasing plan accuracy	✓	✓	✓	✓	✓	✓	✓
Provide dashboard capability to PIMS Platinum to display tables of data across cases		✓	✓	✓	✓	✓	✓
First PIMS Platinum released providing a massive improvement in PIMS results analysis		✓	✓	✓	✓	✓	✓
Implemented new, advanced interactive flowsheet in PIMS Platinum		✓	✓	✓	✓	✓	✓
Spot Crude Evaluation added to Assay Management in PIMS		✓	✓	✓	✓	✓	✓
User-defined blending index support added to Assay Management				✓	✓	✓	✓
Assay Management Molecular Characterization enhanced and increased to >11,000 species				✓	✓	✓	✓
Shortcut Distillation calculations and user defined property definitions added to Assay Management					✓	✓	✓
Assay Management Assay Library increased by adding >300 new ENI crudes					✓	✓	✓
Added multi-variable single case capability to PIMS Platinum Case Execution						✓	✓
PIMS Platinum converted to HTML5 to provide desktop, laptop, and mobile device capabilities						✓	✓
Planned vs. Scheduled comparisons added to PIMS Platinum						✓	✓
New algorithm in PIMS-AO to avoid local optimas							✓
Flash Assay calculation added for Model Assays							✓
Additional capability to manage Loss Stream defined in PIMS models							✓
<b>Aspen Petroleum Scheduler</b>							
New reporting tool allows users to access in-memory data for export to Microsoft Excel	✓	✓	✓	✓	✓	✓	✓
Improved collaboration and sharing of data among planners and schedulers allows for better alignment	✓	✓	✓	✓	✓	✓	✓
Share critical data, such as production targets, assay data, sub-models, blend model libraries, and optimum recipes	✓	✓	✓	✓	✓	✓	✓
Online training for easy access to a variety of rich training content	✓	✓	✓	✓	✓	✓	✓
Crude Composition Charts to visualize crude tanks composition			✓	✓	✓	✓	✓
Added Dock Scheduling Enhancement to expand the envelope outside the refinery gate to associated docks						✓	✓
Comprehensive upgrade of Pipeline Scheduling feature to handle pipeline networks into or out of a refinery							✓
<b>Aspen Petroleum Supply Chain Planner</b>							
Upgraded optimizers and improved reporting capabilities	✓	✓	✓	✓	✓	✓	✓
Enhanced case comparison capability enables efficient graphical analysis with exportable results for more rigorous scenario evaluation	✓	✓	✓	✓	✓	✓	✓
<b>Aspen Refinery Multi-Blend Optimizer</b>							
Better handling of physical blender constraints while creating optimal recipes through the improvement of MIP (Mixed Integer Programming)	✓	✓	✓	✓	✓	✓	✓
Added Rundown Blending Enhancement for handling of hot rundowns directly from a unit		✓	✓	✓	✓	✓	✓
Exclusive Splitter Enhancement added to reduce situations in which splitter is being shared by multiple blends			✓	✓	✓	✓	✓
<b>Other</b>							
Support for virtualization technologies from Microsoft®, VMware®, and Citrix®	✓	✓	✓	✓	✓	✓	✓
Aspen Licensing Center for at-a-glance usage analysis	✓	✓	✓	✓	✓	✓	✓
Language localization	✓	✓	✓	✓	✓	✓	✓