



INDIAN INSTITUTE OF PETROLEUM & ENERGY

(An Institute of National Importance by an Act of Parliament)

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Jessica L. Watkins

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Annex A

AspenTech Products

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aspenONE® Engineering Products

Basic Engineering

Aspen Basic Engineering
Aspen Basic Engineering Activated Datasheet

Conceptual Layout

Aspen OptiPlant 3D Layout
Aspen OptiRouter™ for Hexagon™ S3D
Aspen OptiRouter™ for AVEVA™ E3D Design

Economic Evaluation

Aspen Capital Cost Estimator
Aspen In-Plant Cost Estimator
Aspen Process Economic Analyzer

Equipment Design and Rating

Aspen Air Cooled Exchanger
Aspen Coil Wound Heat Exchanger
Aspen Fired Heater
Aspen Plate Exchanger
Aspen Plate Fin Exchanger
Aspen Shell & Tube Exchanger
Aspen Shell & Tube Mechanical

Operations Support

Aspen AI Model Builder r2
Aspen eLearning for Engineering (in product)
Aspen Energy Analyzer
Aspen HYSYS® RTO for Engineering
Aspen Multi-Case
Aspen OnLine®
Aspen Operator Training
Aspen Plus RTO for Engineering
Aspen Simulation Workbook
Aspen Utilities On-Line Optimizer
Aspen Utilities Planner

Process Simulation for Chemicals

(Aspen Plus® Family)

Aspen Adsorption
Aspen Batch Process Developer
Aspen Chromatography®
Aspen Custom Modeler®
Aspen Distillation Synthesis
Aspen Hybrid Models for Aspen Plus
Aspen Model Runner
Aspen Plus
Aspen Plus Batch
Aspen Plus CatCracker
Aspen Plus Dynamics
Aspen Plus Hydrocracker
Aspen Plus Hydrotreater

Aspen Plus Optimizer
Aspen Plus Reformer
Aspen Polymers
Aspen Properties®
Aspen Rate-based Distillation

Process Simulation for Energy (Aspen HYSYS Family)

Aspen EO Modeling Option
Aspen Flare System Analyzer
Aspen Hybrid Models for HYSYS r2
Aspen HYSYS
Aspen HYSYS Crude
Aspen HYSYS Dynamics
Aspen HYSYS Dynamics Run-Time
Aspen HYSYS Petroleum Refining
Aspen HYSYS Thermodynamics COM
Interface
Aspen HYSYS Upstream r4

Risk Analysis

Aspen Fidelis T

Digital Grid Management

AspenTech Operational Insights Core T
AspenTech Operational Insights Users T
AspenTech Operational Insights Pre-Production
Environment T

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aspenONE® Engineering Products (continued)

Engineering Point Products (excludes products available in ENG Suite)

Aspen Batch Modeler (Aspen Batch Distillation)
Aspen HYSYS Amines
Aspen HYSYS Upstream
Aspen PIMS Advanced Optimization r2
Aspen PIMS Regional Optimizer
Aspen PIMS Submodel Calculator
OEM Instructor Station for Aspen Operator Training
OEM Simulation Bundle for Aspen Operator Training
OEM Chemical Simulation for Aspen Operator Training
OEM Polymer Simulation for Aspen Operator Training
OEM Upstream Simulation Bundle for Aspen Operator Training
OEM Maintenance Bundle for Aspen Operator Training
OEM Chemicals Maintenance Bundle for Aspen Operator Training
Instructor Station for Aspen Operator Training
Simulation Bundle for Aspen Operator Training
Upstream Simulation Bundle for Aspen Operator Training
Polymer Simulation Bundle for Aspen Operator Training
Chemical Simulation Bundle for Aspen Operator Training
Aspen Plant Digital Twin r2
Aspen Hybrid Models for Digital Twins
Aspen EO Models for Digital Twins

Engineering SaaS Products

Aspen AI Model Builder
Aspen Capital Cost Estimator Insights





aspenONE® Manufacturing and Supply Chain (MSC) Products

Advanced Process Control

Aspen APC Application Builder
Aspen Batch APC
Aspen Deep Learning for DMC3
Aspen Deep Learning IQ
Aspen DMC3
Aspen DMC3 for Olefins
Aspen DMCplus® Composite T
Aspen Inferential Qualities r2
Aspen IQ Watch
Aspen PID Watch Performance Monitor T
Aspen Process Sequencer T
Aspen RTO Watch Performance Monitor T
Aspen Virtual Advisor for DMC3
Aspen Virtual Advisor for DMC3 for Olefins

Aspen IIoT

Aspen Batch Data Excel Add-In
Aspen Enterprise IP 21 Historian
Aspen InfoPlus 21® 64-bit
Aspen InfoPlus 21 64-bit Cluster
Aspen Process Data Excel Add-In r2
aspenONE Plant Data
aspenONE Plant Data Trending
aspenONE Process Explorer
aspenONE Process Explorer Analytics
Aspen Process Explorer T
Aspen Production Record Manager 64-bit
Aspen Production Record Manager 64-bit Cluster
Aspen Production Record Manager 64-Bit ODBC Driver
Aspen SDx Connector
Aspen SDx Server
Aspen Reporting Framework r2

Manufacturing Execution Systems

AORA Data Service
Aspen Operations Reconciliation and Accounting
Aspen Production Execution Manager
Aspen Reporting Framework r2
Aspen Tank and Operations Manager
Aspen Weigh and Dispense Execution
Aspen Weigh and Dispense Management
AIOMS Browser
Aspen Unified Reconciliation and Accounting Baseload
Aspen Unified Reconciliation and Accounting User

Operations Support Products

Aspen HYSYS RTO for Manufacturing & Supply Chain
Aspen OnLine
Aspen Plus RTO
Aspen Utilities On-Line Optimizer
Aspen Utilities Planner

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Process Analytics

Aspen ProMV Batch T
Aspen ProMV Online Batch T r2
Aspen ProMV Online Continuous T r2
Aspen ProMV Online Viewer T r2
Aspen ProMV T
Aspen Process Pulse Configuration T
Aspen Process Pulse User T
Aspen Unscrambler T
Aspen Unscrambler Batch T

Refinery Planning & Scheduling

Aspen Dock Scheduler
Aspen Hybrid Models for PIMS-AO
Aspen Hybrid Models for Unified PIMS
Aspen Petroleum Scheduler
Aspen PIMS
Aspen PIMS Advanced Optimization r2
Aspen PIMS Regional Optimizer
Aspen PIMS Submodel Calculator
Aspen PIMS-AO HPC Tier 1
Aspen PIMS-AO HPC Tier 2
Aspen Refinery Multi-Blend Optimizer
Aspen Unified Multisite for PIMS
Aspen Unified PIMS Express
Aspen Unified PIMS HPC Tier1
Aspen Unified PIMS HPC Tier2
Aspen Unified PIMS HPC Tier3
Aspen Unified PIMS r2
Aspen Unified PIMS Viewer
Aspen Unified Scheduling r3
Aspen Unified Scheduling Viewer
Aspen Verity for Planning

Supply Chain Management

Aspen Collaborative Demand Manager
Collaborative Forecasting r2
Aspen Collaborative Demand Manager
Demand Management r2
Aspen Plant Scheduler - Enhanced
Automation r2
Aspen Plant Scheduler - Enhanced
Optimization r2
Aspen Plant Scheduler r2
Aspen Schedule Explorer
Aspen Supply Chain Planner r2
Aspen Supply Chain Planner User r2

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aspenONE® (MSC) Products (continued)

Supply & Distribution

AFO Connect
Aspen Fleet Forecasting
Aspen Fleet Optimizer r2
Aspen Petroleum Supply Chain Planner
Aspen Petroleum Supply Chain Planner User

Digital Grid Management

AspenTech Operational Insights Core T
AspenTech Operational Insights Users T
AspenTech Operational Insights Pre Production Environment T

MSC Site/Point Products

Aspen Data Historian Enterprise Licensing Agreement
Aspen GDOT® for ISPs
Aspen GDOT Web Viewer
Aspen GDOT Application License r2
Aspen GDOT Classic Application License
Aspen GDOT Classic Offline Simulation
Aspen GDOT Classic Site License for Olefins
Aspen GDOT Classic Site License for Refining
Aspen GDOT Offline Simulation r4
Aspen GDOT Site License for Olefins
Aspen GDOT Site License for Refining
Aspen Unified GDOT Builder

MSC Site License Products

Aspen DMC3 Site License r3
Aspen Batch APC Site License
Aspen Deep Learning for DMC3
Aspen Deep Learning DMC3 Site License Add-In
Aspen Deep Learning IQ
Aspen Deep Learning IQ Site License Add-In
Aspen Virtual Advisor for DMC3
Aspen Virtual Advisor for DMC3 Olefins
Aspen Virtual Advisor for DMC3 Site License Add-In
Aspen Virtual Advisor for DMC3 Olefins Site License Add-In

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Aspen Performance Management (APM) Products

APM Point Products

Aspen Cloud Connect - Windows
Aspen Fidelis
Aspen Mtel® for Oil Well Optimization Tier 1
Aspen Mtel for Oil Well Optimization Tier 2
Aspen Mtel for Oil Well Optimization Tier 3
Aspen Mtel for Oil Well Optimization Tier 4
Aspen Mtel for Oil Well Optimization Tier 5
Aspen Mtel for Oil Well Optimization Tier 6
Aspen Mtel Tier1 r2
Aspen Mtel Tier2 r2
Aspen Mtel Tier3 r2
Aspen Mtel Tier4 r2
Aspen Mtel Tier5 r2
Aspen Mtel Tier6 r2
Aspen ProMV Batch
Aspen ProMV Batch Site Tier 1
Aspen ProMV Batch Site Tier 2
Aspen ProMV Batch Site Tier 3
Aspen ProMV Batch Site Tier 4
Aspen ProMV Batch Site Tier 5
Aspen ProMV Batch Site Tier 6
Aspen ProMV Continuous Site Tier 1
Aspen ProMV Continuous Site Tier 2
Aspen ProMV Continuous Site Tier 3
Aspen ProMV Continuous Site Tier 4
Aspen ProMV Continuous Site Tier 5
Aspen ProMV Continuous Site Tier 6
Aspen ProMV Online Batch
Aspen ProMV Online Continuous
Aspen ProMV Online Viewer
Aspen ProMV Standard
Aspen Unscrambler Desktop for OEM
Aspen Unscrambler for SMB
Aspen Unscrambler T
Aspen Process Pulse Site License Tier 1
Aspen Process Pulse Site License Tier 2
Aspen Process Pulse Site License Tier 3
Aspen Process Pulse Site License Tier 4
Aspen Process Pulse Site License Tier 5
Aspen Process Pulse Site License Tier 6

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DataWorks Products

DataWorks License Point Products

- Aspen Cloud Connect r2
- Aspen Cloud Connect Premium
- Aspen Cloud Connect Enterprise Tier 1
- Aspen Cloud Connect Enterprise Tier 2
- Aspen Cloud Connect Premium Enterprise Tier 1
- Aspen Cloud Connect Premium Enterprise Tier 2

AspenTech Inmation

- AspenTech Inmation
- AspenTech Inmation Development System
- AspenTech Inmation QA System

Small and Medium Business (SMB) Products

SMB Unscrambler Point Products

- Aspen Unscrambler Batch for SMB
- aspenONE Engineering Desktop r5
- Aspen Unscrambler for SMB

SMB License Point Products

- aspenONE Exchanger Design Desktop r2
- Aspen Shell & Tube Exchanger Desktop r1

aspenONE Engineering Desktop Standard

- Aspen Adsorption
- Aspen Air Cooled Exchanger
- Aspen Basic Engineering
- Aspen Basic Engineering Activated Datasheet
- Aspen Batch Process Developer
- Aspen Chromatography
- Aspen Coil Wound Heat Exchanger
- Aspen Custom Modeler
- Aspen Distillation Synthesis
- Aspen Energy Analyzer
- Aspen EO Modeling Option
- Aspen Fired Heater
- Aspen Flare System Analyzer
- Aspen HYSYS
- Aspen HYSYS Crude
- Aspen HYSYS Thermodynamics COM Interface
- Aspen HYSYS Upstream r4
- Aspen In-Plant Cost Estimator
- Aspen Model Runner
- Aspen OnLine
- Aspen Plate Exchanger
- Aspen Plate Fin Exchanger
- Aspen Plus Batch
- Aspen Plus
- Aspen Plus CatCracker
- Aspen Plus Hydrocracker

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Aspen Plus Hydrotreater
Aspen Plus Reformer
Aspen Process Economic Analyzer
Aspen Properties
Aspen Rate-based Distillation
Aspen Shell & Tube Exchanger
Aspen Shell & Tube Mechanical
Aspen Simulation Workbook

AspenONE Engineering Desktop Premium

Aspen Adsorption
Aspen Air Cooled Exchanger
Aspen Basic Engineering
Aspen Basic Engineering Activated Datasheet
Aspen Batch Process Developer
Aspen Capital Cost Estimator
Aspen Chromatography
Aspen Coil Wound Heat Exchanger
Aspen Custom Modeler
Aspen Distillation Synthesis
Aspen Energy Analyzer
Aspen EO Modeling Option
Aspen Fidelis T
Aspen Fired Heater
Aspen Flare System Analyzer
Aspen Hybrid Models for Aspen Plus
Aspen Hybrid Models for HYSYS r2
Aspen HYSYS
Aspen HYSYS Crude
Aspen HYSYS Dynamics
Aspen HYSYS Dynamics Run-Time
Aspen HYSYS Petroleum Refining
Aspen HYSYS Thermodynamics COM Interface
Aspen HYSYS Upstream r4
Aspen In-Plant Cost Estimator
Aspen Model Runner
Aspen OnLine
Aspen Plate Exchanger
Aspen Plate Fin Exchanger
Aspen Plus Batch
Aspen Plus
Aspen Plus CatCracker
Aspen Plus Dynamics
Aspen Plus Hydrocracker
Aspen Plus Hydrotreater
Aspen Plus Optimizer
Aspen Plus Reformer
Aspen Polymers
Aspen Process Economic Analyzer
Aspen Properties
Aspen Rate-based Distillation
Aspen Shell & Tube Exchanger
Aspen Shell & Tube Mechanical
Aspen Simulation Workbook
Aspen Utilities On-Line Optimizer
Aspen Utilities Planner