



# Production Operations Decision Support

## Integrated Solution to Optimize Plant Performance

### Business Challenge

Today's E&P companies are looking for new ways to increase production and minimize costs, while maintaining safety and honoring quality specifications. In particular, they need to:

- Maximize hydrocarbon production from available wells with minimum cost without compromising safety
- Collaborate easily between disciplines, contractors, partners
- Empower operations staff to optimize the plant

### AspenTech Solution

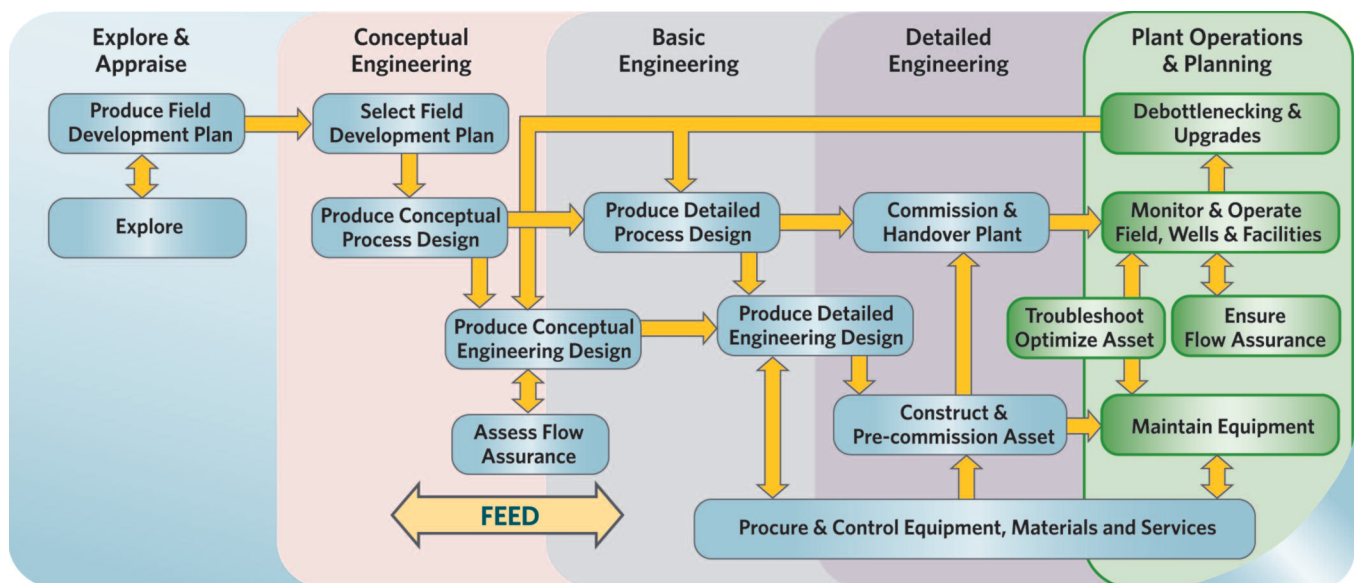
The AspenTech Production Operations Decision Support (PODS) solution is an advisory system that combines simulation models and field data to deliver a unified decision framework that supports engineering, planning, operations, and management. Powered by aspenONE® applications and deployed by AspenTech's expert consultants, PODS helps optimize assets end-to-end.

### Enhanced Capabilities

- Process surveillance, condition monitoring, and soft-sensing
- Production optimization and production allocation
- What-if and look-ahead analytics
- Engineering and debottlenecking studies

### Key Benefits

- Help extend field life
- Manage assets more safely and efficiently
- Optimize production throughout life of the asset in three automatic steps:
  - Data validation
  - Model calibration
  - Optimization



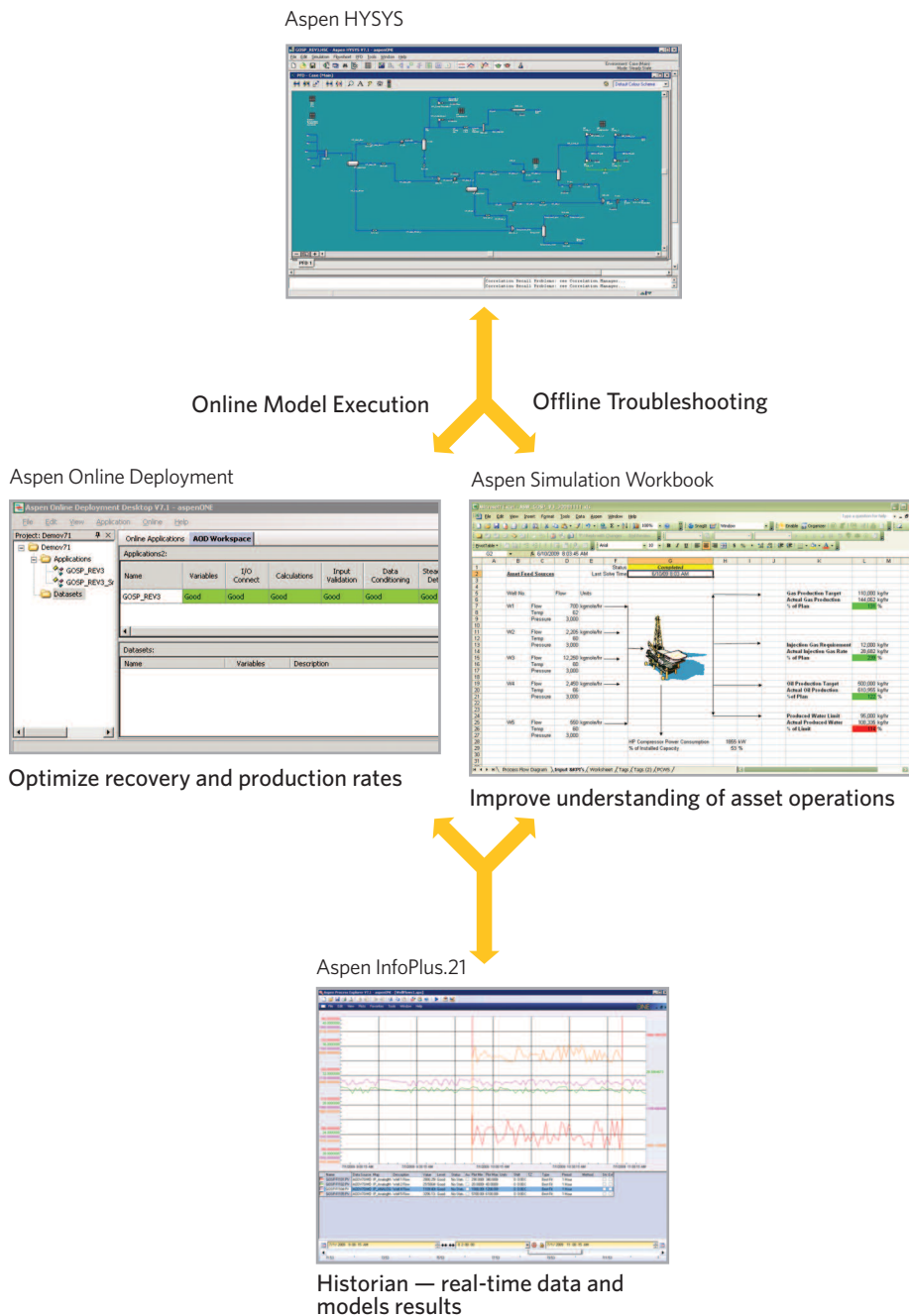
## PODS Solution

The AspenTech Production Operations Decision Support (PODS) solution is comprised of a set of aspenONE software applications—packaged with AspenTech consulting services—and delivers customized workflows and data integration. At the core of the solution is an Aspen HYSYS® asset-wide model (steady state).

Additional benefits of the solution include:

- Compressor/pump monitoring for performance degradation/maintenance scheduling
- Heat exchanger monitoring for fouling
- Visibility of key KPIs at different levels in the organization
- Monitoring of energy efficiency and CO<sub>2</sub> emissions

## PODS Workflow and Software Components



## About AspenTech

AspenTech is a leading supplier of software that optimizes process manufacturing—including oil and gas, petroleum, chemicals, pharmaceuticals and other industries that manufacture and produce products from a chemical process. With integrated aspenONE solutions, process manufacturers can implement best practices for optimizing their engineering, manufacturing and supply chain operations. As a result, AspenTech customers are better able to increase capacity, improve margins, reduce costs and become more energy efficient. To see how the world's leading process manufacturers rely on AspenTech to achieve their operational excellence goals, visit [www.aspentech.com](http://www.aspentech.com).



## Worldwide Headquarters

Aspen Technology, Inc.  
200 Wheeler Road  
Burlington, MA 01803

phone: +1-781-221-6400

fax: +1-781-221-6410

[info@aspentech.com](mailto:info@aspentech.com)

## EMEA Headquarters

AspenTech Ltd.  
C1, Reading Int'l Business Park  
Basingstoke Road  
Reading, UK  
RG2 6DT

phone: +44-(0)-1189-226400

fax: +44-(0)-1189-226401

[ATE\\_info@aspentech.com](mailto:ATE_info@aspentech.com)

## APAC Headquarters

AspenTech (Shanghai) Co., Ltd.  
3rd Floor, North Wing  
Zhe Da Wang Xin Building  
2966 Jin Ke Road  
Zhangjiang High-Tech Zone  
Pudong, Shanghai  
201203, China

phone: +86-21-5137-5000

fax: +86-21-5137-5100

[apac\\_marketing@aspentech.com](mailto:apac_marketing@aspentech.com)