During this current period of oil price volatility, budgets are tight and the final investment decision on many capital projects is delayed or canceled. Owner-operators have turned investment projects from large capital, asset-intensive, new builds and plant modifications, to sustaining, optimization, and safety projects for existing facilities for sustainable operations, production improvement, and reducing maintenance costs.

The advanced process control (APC) and online optimization market is driven by advances in ease-of-use functionality. In prior years, investments were about visualization and improvements in operator-usability which would allow the operator to better understand how the APC “black box” was impacting the process.

Fast-forward to today, this functionality is aimed at the control engineer, sustainability, model maintenance, and simplification of APC implementation services.

The emergence of “service-less” and self-tuning of the model objective and economic function, combined with model self-calibrating functionality, greatly reduces the complexity and cost associated with implementation and maintenance. Reduced cost and complexity of APC applications means plant engineers can target smaller scope or unconventional optimization projects, where traditionally, APC has been difficult to justify.

For more information, please visit us at www.arcweb.com/market-studies/.

RESEARCH FOCUS AREAS

STRATEGIC ANALYSIS
Major Trends
Economic Factors
Industry Trends
Regional Trends
Strategic Recommendations

COMPETITIVE ANALYSIS
Market Shares of the Leading Suppliers
Market Shares by Region
  North America
  Europe, Middle East, Africa
  Asia
  Latin America
Market Shares by Application
  Advanced Process Control
  Online Optimization
Market Shares by Revenue Category
  Software and SaaS
  Implementation Services
  Maintenance
Market Shares by Industry
  Cement & Glass
  Chemical/Petrochemical
  Electric Power Generation
  Food & Beverage
  Metals
  Mining

STRATEGIC ISSUES

The advanced process control and online optimization market is in a state of flux as suppliers focus on accommodating evolving users’ needs. This report will help suppliers and users stay on top of these changes. Strategic questions addressed include:

- What are the key issues involved in integrating APC and online optimization software with other applications?
- What are the key elements for success in the APC and online optimization software business?

MARKET FORECASTS & HISTORIES

Total Shipments of Advanced Process Control & On-line Optimization

RESEARCH FORMATS

This research is available as a Market Intelligence Workbook (Excel) and/or a concise, executive-level Market Analysis Report (PDF), with or without detailed charts.

INDUSTRY PARTICIPANTS

The research identifies all relevant suppliers serving this market.