

Supply Chain Planning Market Research

FIVE-YEAR MARKET ANALYSIS AND TECHNOLOGY FORECAST THROUGH 2022

THE SCP MARKET IS IN THE MIDST OF A TRANSITION TO SAAS

Supply chain planning (SCP) solutions use complex algorithms, optimization techniques, and heuristics to solve supply chain problems that occur in the planning horizon (one week to one month for operational planning, one month to several months for tactical planning, and one year to multiple years for strategic planning). While there are a variety of payback categories from the use of supply chain planning solutions, the ability to reduce inventories and effectively balance demand and supply are the central value propositions.

The global supply chain planning market is in the midst of moving over from a software license model to Software as a Service (SaaS) pricing. With SaaS, instead of paying a large upfront payment, payments are spread out over several years greatly lowering the upfront costs.

In the long term, SaaS tends to increase supplier's revenues and make those revenues more predictable. In the short term, however, software vendors take a hit not just from the loss of license revenue, but from gradually decreasing maintenance revenues.

When SaaS is accompanied by Cloud solutions - the two usually go together - implementation revenues fall as well as Cloud solutions tend to either not allow for customization or discourage it. ARC did a bottom up forecast to forecast revenues in this market for the next five years.

For more information about this research, please contact your ARC Client Manager or visit us at www.arcweb.com/market-studies/.

STRATEGIC ISSUES

While SaaS is the biggest issue affecting the market, there are several important strategic issues.

- Integrated business planning is the central supply chain process. What solutions are important here?
- How has the architecture for SCP solutions changed? What are the implications of those changes?
- Supply chain planning solutions have always used advanced statistics and math? What is changing here?

RESEARCH FORMATS

This ARC global market research study is available in the form of a Market Intelligence Workbook (Excel) and/or a concise, executive-level Market Analysis Report (PDF), with or without detailed charts.

RESEARCH FOCUS AREAS

STRATEGIC ANALYSIS

- Major Trends
- Regional Trends
- Industry 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 Revenue Type
 - SaaS
 - Software License
 - Implementation
 - Maintenance
- Market Shares by Application Type
 - Demand
 - Extended Supply Chain
 - Inventory/Distribution
 - Production
- Market Shares by Size of Customer
- Market Shares by Industry
 - Aerospace & Defense
 - Automotive
 - Chemical
 - Electronics & Electrical

- Food & Beverage
- Household & Personal Care
- Logistics
- Machinery Manufacturing
- Medical Products
- Metals
- Oil & Gas
- Pharmaceutical & Biotech
- Retail
- Semiconductors
- Wholesale/Distribution

MARKET FORECASTS & HISTORIES

- Total Market Revenues
- Revenues by Region
- Revenues by Type of Revenues
- Revenues by Application
- Revenues by Size of Customer
- Revenues by Industry

INDUSTRY PARTICIPANTS

The research identifies all relevant suppliers serving this market.

The Supply Chain Planning Application Stack

Extended SCP:
Network Design Capable to Promise S&OP/IBP End-to-End SCP Analytics

Manufacturing Planning:

- Constraint-based multifacility planning
- Production Scheduling

Inventory/Distribution Planning:

- Constraint-based distribution planning
- Multi-echelon Inventory Planning

Demand Management:

- Forecasting (Units & Dollars)
- Collaborative Forecasting

But Not

- Stand alone scheduling solutions not part of a larger SCP Suite
- MRP (Nonconstraint-based)

But Not

- DRP (Nonconstraint-based)
- Distributed Order Management
- WMS

But Not

- Stand alone solutions not part of a larger suite
- Demand Signal Repositories

