

China Computer Simulation Industry Development Prospects and Investment Forecast Report, 2013–2017

目 录

CONTENTS

Chapter 1: Development Overview of Computer Simulation Industry

1.1 Definition and Significance of Computer Simulation

- 1.1.1 Definition of Computer Simulation
- 1.1.2 Significance to Realize Computer Simulation
- 1.1.3 Issues Settled by Computer Simulation

1.2 Policy Environment of Computer Simulation Industry

- 1.2.1 Administration Department and Management System of the Industry
- 1.2.2 Major Laws, Regulations and Policies of the Industry
- 1.2.3 Influence of the Policy Environment to the Industry

1.3 Technology Environment of Computer Simulation Industry

- 1.3.1 Functions of Computer Simulation Technology
- 1.3.2 Technical Level and Characteristics of the Industry
 - (1) Technical Level of the Industry
 - (2) Technical Characteristics of the Industry
- 1.3.3 Analysis of Computer Simulation Patent
 - (1) Application Number of Computer Simulation Patent
 - (2) Analysis of Computer Simulation Patent Applicant
 - (3) Component of Computer Simulation Patent
- 1.3.4 Development Trend of Computer Simulation Technology

1.4 Analysis of Computer Simulation Industry Chain

- 1.4.1 Introduction of Computer Simulation Industry Chain
- 1.4.2 Influence of the Development of Upstream/Downstream Industry to Computer Simulation Industry
 - (1) Influence of the Development of Upstream Industry to Computer Simulation Industry
 - (2) Influence of the Development of Downstream Industry to Computer Simulation Industry
- 1.4.3 Major Raw Materials and Accessories of the Industry
 - (1) Analysis of Electron Component Market
 - 1) Analysis of the Market Demand
 - 2) Analysis of the Market Price
 - 3) Major Production Corporations
 - 4) Market Trend and Prospects
 - (2) Analysis of Data Processing Chip Market
 - 1) Analysis of the Market Demand
 - 2) Analysis of the Market Price
 - 3) Major Production Corporations
 - 4) Market Trend and Prospects
 - (3) Analysis of High-performance Computer Market
 - 1) Analysis of the Market Demand
 - 2) Major Production Corporations
 - 3) Market Trend and Prospects
 - (4) Analysis of Common Software and Real-Time Operating System Market
 - 1) Analysis of the Market Demand
 - 2) Major Production Corporations
 - 3) Market Trend and Prospects
 - (5) Analysis of Professional Electronic Module Market
 - 1) Analysis of the Market Demand
 - 2) Major Production Corporations
 - 3) Market Trend and Prospects

Chapter 2: Status and Trend of International Computer Simulation Industry

2.1 Development Status of International Computer Simulation Industry

- 2.1.1 Development Progress of the Industry
- 2.1.2 Market Size of the Industry
- 2.1.3 Competitive Structure of the Industry

2.2 Development Status of Computer Simulation Industry in Major Regions

- 2.2.1 Regional Distribution of Computer Simulation Industry
- 2.2.2 Computer Simulation Industry in North America
- 2.2.3 Computer Simulation Industry in Europe
- 2.2.4 Computer Simulation Industry in Japan

2.3 Major Computer Simulation Manufacturers in the World

2.3.1 Major Manufacturers in the Field of Simulation Testing

(1) National Instruments

- 1) Development Briefing of the Company
- 2) Products and Performance of the Company
- 3) Latest Development Trend of the Company

(2) dSPACE

- 1) Development Briefing of the Company
- 2) Products and Performance of the Company

(3) Agilent

- 1) Development Briefing of the Company
- 2) Products and Performance of the Company
- 3) Sales Covering Domain of the Company
- 4) Latest Development Trend of the Company

(4) AreoFlex

- 1) Development Briefing of the Company
- 2) Products and Performance of the Company
- 3) Sales Covering Domain of the Company
- 4) Latest Development Trend of the Company

(5) Spirent

- 1) Development Briefing of the Company
- 2) Products and Performance of the Company
- 3) Investment Distribution in China
- 4) Latest Development Trend of the Company

(6) LMS

- 1) Development Briefing of the Company
- 2) Products and Performance of the Company
- 3) Sales Covering Domain of the Company
- 4) Latest Development Trend of the Company

(7) MSC

- 1) Development Briefing of the Company
- 2) Products and Performance of the Company
- 3) Sales Covering Domain of the Company
- 4) Latest Development Trend of the Company

2.3.2 Major Manufacturers in the Field of Simulation Training

(1) CAE

- 1) Development Briefing of the Company
- 2) Products and Performance of the Company
- 3) Investment Distribution in China
- 4) Latest Development Trend of the Company

(2) Rockwell Collins

- 1) Development Briefing of the Company
- 2) Products and Performance of the Company
- 3) Investment Distribution in China
- 4) Latest Development Trend of the Company

(3) Cubic

- 1) Development Briefing of the Company
- 2) Products and Performance of the Company
- 3) Investment Distribution in China
- 4) Latest Development Trend of the Company

(4) Arup

- 1) Development Briefing of the Company
 - 2) Products and Performance of the Company
 - 3) Investment Distribution in China
 - 4) Latest Development Trend of the Company
- 2.3.3 Major Manufacturers in the Field of Simulation Virtual Manufacturing
- (1) META VR
 - 1) Development Briefing of the Company
 - 2) Products and Performance of the Company
 - 3) Business Model of the Company
 - (2) Presagis
 - 1) Development Briefing of the Company
 - 2) Products and Performance of the Company
 - 3) Sales Network of the Company
 - (3) Christie
 - 1) Development Briefing of the Company
 - 2) Products and Performance of the Company
 - 3) Investment Distribution in China
 - 4) Latest Development Trend of the Company
 - (4) BARCO
 - 1) Development Briefing of the Company
 - 2) Products and Performance of the Company
 - 3) Investment Distribution in China
 - 4) Latest Development Trend of the Company
 - (5) ANSYS
 - 1) Development Briefing of the Company
 - 2) Products and Performance of the Company
 - 3) Investment Distribution in China
 - 4) Latest Development Trend of the Company
 - (6) SIMULIA
 - 1) Development Briefing of the Company
 - 2) Products and Performance of the Company
 - 3) Investment Distribution in China
 - 4) Latest Development Trend of the Company
 - (7) ETA
 - 1) Development Briefing of the Company
 - 2) Products and Performance of the Company
 - 3) Investment Distribution in China
 - (8) ALGOR
 - 1) Development Briefing of the Company
 - 2) Products and Performance of the Company
 - 3) Investment Distribution in China
 - (9) CYBERNET
 - 1) Development Briefing of the Company
 - 2) Products and Performance of the Company
 - 3) Investment Distribution in China
 - 4) Latest Development Trend of the Company

2.4 Trend and Prospects of International Computer Simulation Industry

- 2.4.1 Development Trend of the International Market
- 2.4.2 Prospect Forecast of the International Market

Chapter 3: Status and Competitive Structure of China Computer Simulation Industry

3.1 Development Status of China Computer Simulation Industry

- 3.1.1 Development Status of the Industry
- 3.1.2 Development Scale of the Industry
 - (1) Market Size of the Industry
 - (2) Corporation Amount of the Industry

3.2 Competition Status of China Computer Simulation Industry

- 3.2.1 Major Competitors of the Industry
- 3.2.2 Competition Status of the Industry
- 3.2.3 Merger and Integration of the Industry

- (1) Overall Merger and Integration of the Industry
- (2) Merger and Integration Trend of the Industry

3.3 Trend and Prospects of China Computer Simulation Industry

- 3.3.1 Development Trend of China Computer Simulation Industry
- 3.3.2 Market Prospect Forecast of China Computer Simulation Industry
 - (1) Driving Factors to the Development of the Industry
 - (2) Obstructive Factors to the Development of the Industry
 - (3) Prospect Forecast of the Industry during 2013-2015

Chapter 4: Development of the Segment Fields of Computer Simulation Industry

4.1 Structure and Characteristics of the Segment Market

4.2 Analysis of Computer Simulation Testing Market

- 4.2.1 Overview of Simulation Testing
- 4.2.2 Scale of Simulation Testing Market
- 4.2.3 Simulation Testing Segment Market
 - (1) Analysis of Electromechanical Simulation Testing Market
 - 1) Market Size of the Industry
 - 2) Competitive Structure of the Industry
 - 3) Development Trend of the Industry
 - (2) Analysis of RF Simulation Testing Market
 - 1) Market Size of the Industry
 - 2) Competitive Structure of the Industry
 - 3) Development Trend of the Industry
 - (3) Analysis of General Testing Market
 - 1) Development Overview of the Industry
 - 2) Competitive Structure of the Industry
 - 3) Development Prospects of the Industry
- 4.2.4 Prospect Forecast of Simulation Testing Market

4.3 Analysis of Computer Simulation Training Market

- 4.3.1 Overview of Computer Simulation Training Market
- 4.3.2 Scale of Computer Simulation Training Market
 - (1) Analysis of the Market Size
 - (2) Market Competitive Structure
- 4.3.3 Computer Simulation Training Segment Market
 - (1) Professional Training Simulator Market
 - (2) Simulation Application and Development Market
 - (3) Simulation System Integration Market
- 4.3.4 Development Trend and Prospects of Computer Simulation Training Market

4.4 Analysis of Computer Virtual Manufacturing

- 4.4.1 Overview of Computer Virtual Manufacturing
 - (1) Definition of Virtual Manufacturing
 - (2) Virtual Manufacturing Range
 - (3) Application Research of Virtual Manufacturing
 - (4) Status of Virtual Manufacturing
- 4.4.2 Scale of Computer Virtual Manufacturing
 - (1) Analysis of the Market Size
 - (2) Market Competitive Structure
- 4.4.3 Virtual Manufacturing Segment Market
 - (1) Computer Simulation Software Market
 - (2) Computer Simulation Hardware Market
- 4.4.4 Business Model and Experience of Virtual Manufacturing
 - (1) Connotation and Essence of Virtual Manufacturing Model
 - 1) Connotation of Virtual Manufacturing—R&D and Marketing & Sales in Local, and Manufacturing in outer Chain
 - 2) Essence of Virtual Manufacturing—Integrate Manufacturing Resources, Reconstructing Value Chain
 - (2) Briefing and Experience of Neusoft Virtual Manufacturing Model
 - 1) Driving Factors to Apply Virtual Manufacturing Model
 - 2) Application Effect of Neusoft Virtual Manufacturing Model
- 4.4.5 Application of Virtual Manufacturing in Manufacturing Industry

- (1) Product Development Basing on VR Technology
- (2) Function of Virtual Manufacturing in Designing Manufacturing Workshop
- (3) Function of Virtual Manufacturing in Arranging Production Plan
- 4.4.6 Development Trend and Prospects of Computer Virtual Manufacturing
 - (1) Development Trend of Virtual Manufacturing
 - (2) Prospects Forecast of Virtual Manufacturing

Chapter 5: Application Status and Demand Potentials of Computer Simulation in National Defense and Military Project

5.1 Application Background of Computer Simulation in National Defense and Military Project

- 5.1.1 Application Background of Computer Simulation in National Defense and Military Project
 - (1) The International Environment is Complicated
 - (2) Changes of Modern War Mode
 - (3) Modernization Construction Demand for National Defense and Military Project
 - (4) Transforming and Upgrading the Strategy Implementation for National Defense Technology

Industry

- 5.1.2 Application Bases of Computer Simulation in National Defense and Military Project
 - (1) Demand to Decrease the Trading Cost for National Defense and Military Project Corporations
 - (2) Computer Simulation Greatly Increases the Operational Efficiency of National Defense and

Military Project

5.2 Technology of Computer Simulation and the Influence to National Defense and Military Project

- 5.2.1 Influence of Computer Simulation to National Defense and Military Project
- 5.2.2 Major Characteristics of National Defense and Military Project Simulation Technology
- 5.2.3 Development of Virtual Reality Simulation Technology in Military
- 5.2.4 Research to Realize Simulation Technology in Battlefield Environment
 - (1) Simulation Overview of Battlefield Environment
 - 1) Composition of Battlefield Environment
 - 2) Simulation and Description of Battlefield Environment
 - (2) Sensing Simulation of Virtual Reality and Battlefield Environment
 - 1) Application of Virtual Battlefield Environment in Sensing Simulation
 - 2) Primary Composition of Virtual Battlefield Environment System
 - (3) Key Technologies to Construct Virtual Battlefield Environment
 - 1) Key Technologies to Realize “Interaction”
 - 2) Key Technologies to Realize “Immersing”
 - 3) Aspects to Realize “Imagine”
 - (4) Cases of the Simulation Technology in Battlefield Environment
- 5.2.5 Forecast of the System Modeling of Military Virtual Reality and the Development of

Simulation Technology

- (1) Overview of System Modeling and Simulation Technology
 - 1) Concept and Model of System Modeling and Simulation Technology
 - 2) Application of System Modeling and Simulation Technology in Military Field
- (2) Development Trend of Foreign Modeling, Simulation Technology and Application
 - 1) Development of Weaponry and Weaponry System Simulation Technology
 - 2) Systemic Confrontation Simulation Technology
 - 3) Simulation Share Technology
 - 4) Purchasing and Virtual Sample Basing on Simulation
- (3) Development Status of Military Simulation Technology in China
 - 1) Development Status of the Technology
 - 2) Technology Gap between China and Foreign Countries
- (4) Development Trend and Ideas of Military Simulation Technology in China
 - 1) Take Close Consideration of Military Demand, and Promote the Development of Simulation

Technology

- 2) Target in IT-based Warfare Demand, and Develop Core Simulation Technology
- 3) Strengthen Top-level Design, and Emphasize to Breakthrough Systemic Confrontation

Simulation Technology

- 4) Pay Attention to the Research of Distribution and Co-simulation Technology
- 5) Develop SBA Technology
- 6) Strengthen Simulation Model and Mechanism Study
- 7) Strengthen the Overall Plan, and Construct Kinds of Battle Laboratories

5.3 Application Status and Trend of Computer Simulation in National Defense and Military Project

5.3.1 Development Status of China National Defense Industry

如需了解报告详细内容，请直接致电前瞻客服中心。

全国免费服务热线：400-068-7188 0755-82925195 82925295 83586158

或发电子邮件：service@qianzhan.com

或登录网站：<https://bg.qianzhan.com/>

我们会竭诚为您服务！