The Semiconductors Focus Area focuses on the entire spectrum of semiconductor-related technology. It is specifically designed to help vendor clients position their company and their products/services in this extremely competitive industry.

Scope of Coverage
Semiconductors are an engine driving the new economy and the underlying technology explosion. Semiconductor advances make possible advances in wired and wireless communications, consumer electronics, computers and peripherals, industrial, automotive and medical electronics. This body of research provides a comprehensive view of the worldwide semiconductor industry including semiconductor manufacturing, semiconductor devices, and semiconductor applications. Also included are forecasts and analysis of the worldwide electronics industry, the end-users of semiconductors.

Core Topics
Electronics Manufacturing and Services Worldwide
We deliver current and historical market data, in depth forecasts for current and emerging manufacturing trends and potential scenarios. We analyze the impact of emerging manufacturing technologies, changing business models, the creation of new business opportunities, the potential for improved manufacturing efficiencies (via application of emerging technologies), and potential threats to the existing manufacturing infrastructure. Our coverage ranges from the large global providers to emerging specialized firms, and includes new market entrants - from materials suppliers to services providers.

Semiconductor Applications Worldwide
We provide the most comprehensive and in-depth view of worldwide electronic equipment production and the related semiconductor market demand. We analyze the industry, with a focus on the application markets for semiconductors in data processing, communications, consumer and automotive electronics. Electronic equipment production and semiconductor demand are also explored in other electronics segments in industrial and military/aerospace markets. Understanding the competitive and market trends we analyze is vital for any supplier or consumer of semiconductor products.

Key Issues
- How will market conditions affect semiconductor manufacturing, procurement and cost models?
- How will new technologies affect the manufacturing supply chain?
- How are the pricing trends for foundry wafers, package assembly and chips?
- Who are the major players in the markets that define the manufacturing infrastructure?
- How will electronic equipment production trends affect market growth opportunities?
- What is the size and projected growth of the key application market segments?
- How do regions of the world compare in equipment production revenue and, consequently, semiconductor consumption?
- How big is the semiconductor application market segment in the Asia/Pacific region, and in each specific country?
- How much do the Asia/Pacific companies invest in capital spending for semiconductors?
- How will semiconductor manufacturing grow in the Asia/Pacific region?
- Which countries are rapidly emerging in the semiconductor region?
- Are fabless and chipless viable models in the long term?
- How will capital spending and manufacturing capacity affect growth and change in the industry?
Semiconductors are a key engine for growth. Without low cost, high speed communications, memories and compute devices, the internet, e-commerce and the digital consumer revolution would be the realm of science fiction. The IT industry would simply not exist. We provide comprehensive coverage of global and regional semiconductor markets, analysis and data on the players and insights on the products and issues that are key to future growth. We deliver actionable advice critical to semiconductor vendors, equipment manufacturers, government agencies and the investment community.

Semiconductor Industry Asia Pacific
The content of this Core Topic is the same as Semiconductor Industry Worldwide but with an Asia Pacific focus.

Design and Engineering
The Technical Software Applications Worldwide Cluster is designed to help your company focus on opportunities within the technical applications market, including electronic design automation, embedded software development tools and RTOS, test and measurement tools, mechanical CAx applications, product data management, bioinformatics and architecture/engineering/construction. It is essential research for all participants in the technical computing marketplace.

Recent Spotlights
Semiconductor Markets and Manufacturing

- How will supply and demand for memories like DRAM and flash affect industry growth?
- What are the overall trends driving the semiconductor IP market?
- What are the strategies of the main semiconductor vendors?
- What impact will emerging applications and technologies have on investments and alliances?
- What semiconductor products have the potential for the greatest growth?

About Focus Areas
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