

# HOW DO YOU INNOVATE FASTER AND WITH MORE CONFIDENCE?

It's all about getting to market 'smaller, faster, and cheaper' for companies operating in High Tech industries such as electronics, telecom and semiconductor. This intensely competitive space demands real-time expertise on cutting-edge technologies – and an agile response to changing market and technology demands.

## For companies that work on cutting edge technologies, long-term growth requires:

- **KEEPING AHEAD OF MARKET TRENDS** through investing in capabilities that align with future process technologies, while driving adjacent market growth in areas such as photovoltaics, LED's and in areas of healthcare such as bioinformatics
- **UNDERSTANDING EMERGING TECHNOLOGIES AND APPROACHES** within advanced materials such as graphene, and applying those insights towards product enhancements that address key technology constraints as defined by Moore's Law
- **EFFICIENTLY DELIVERING PRODUCTS TO SPEC** using the latest engineering manufacturing technologies, equipment and materials
- **OPTIMIZING PRODUCT DEVELOPMENT CYCLES** to support frequent enhancements, and ensuring speed-to-market
- **DRIVING OPEN INNOVATION** by finding the right scientific and technology experts, potential partners and licensors
- **AND MORE...**

Introducing **ILLUMIN8**, a web-based research tool that enables product and partnering decisions as you explore new technologies, products and markets.

#### RESEARCH MATERIAL

**APPLICATIONS** *such as Carbon Nanotubes for Semiconductors*

- Illumin8 highlights how Carbon Nanotubes (CNT) and Quantum Dots (QD) are important for bio-analytical applications because of their unique chemical, physical and electronic properties.
- Illumin8 reveals there are specific challenges with reconciling common nanotube handling and processing procedures with the semiconductor manufacturing industry's ultra-clean, static-safe, controlled humidity storage and processing environments.

#### RESEARCH NEW TECHNOLOGIES

*such as OLEDs*

- Illumin8 reveals significant scientific publishing activity around Organic Light Emitting Diodes (OLEDs) within universities in Korea, Taiwan and Hong Kong, as well as recent patent activity from technology companies such as Kodak, Philips, Apple, and Samsung.
- Illumin8 provides insight into how OLEDs are not only brighter, thinner, faster and lighter than LCDs, but also use less power, offer higher contrast and are cheaper to manufacture.

#### RESEARCH A TOPIC

*such as Cloud Computing*

- Illumin8 identifies companies and research institutions that are focusing extensive software and virtualization techniques to support cloud computing technology. Illumin8 provides a view into the leading analysts, consultants, bloggers, engineers and scientists that provide input into industry best practices and strategy for developing this computer science technology.

#### USE ILLUMIN8 TO:

- Discover new technologies, materials and processes for product development.
- Uncover new applications and markets for existing technologies.
- Identify leading experts and competitors in unfamiliar markets.
- Find potential partners and suppliers for bringing new ideas to market.
- Understand potential risks and benefits of new approaches or entering new markets.

ENTER A RESEARCH TOPIC AND  
**ILLUMIN8** LETS YOU VIEW AND SHARE  
YOUR RESEARCH RESULTS:



**EXPLORE**  
Trends and Opportunities



**EVALUATE**  
Technologies and Methods



**COMPARE**  
Products, Organizations and Approaches



**REPORT**  
Findings and Insights

ILLUMIN8 uses semantic search technology to “read” from a breadth of content sources:

#### NEWS AND WEB

Billions of web pages and 1000+ online business, technical and trade news sources

#### JOURNALS AND ABSTRACTS

5 million+ scientific and technical articles and 40 million+ scientific records from Elsevier and 5,000+ publishers

#### PATENTS

24 million+ patents from 5 patent offices worldwide (WIPO, US, European, UK and Japan)

\*Disclaimer: illumin8 is continually updating its content database. Results described here are therefore subject to change

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