

**TEHCET Group**

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**Critical Materials Supply Chain ALERT:  
Get Detailed Info on Critical Materials****Heading****IoT and Portable Devices Continue Driving  
Semiconductor Materials Growth Path:**

IoT and portable devices are forecasted to grow in excess of 30% over the next 5 years propelling the need for more effective semiconductor process materials. Advanced, smaller footprint semiconductor devices, new usage requirements (i.e. flexibility for wearables, human chemistry for tele-health and advanced medical applications, etc.) as well as trailing edge power devices will be supporting growth of IoT and portable applications markets.

**Chip Fabricators and OEMs Seek Material  
Supply Solutions as Key to  
SUCCESS:**

- Anticipating new materials requirements
- Looking for green chemistries, i.e. recycling and/or reuse
- Supply chain intelligence and business continuity issues

Information on the materials markets, technology trends, and supply chain risk assessments are all keys to success in this industry. The three big semiconductor fabs used to be the only ones that could afford to commission the collection of this data, but given numerous requests from smaller chip fabs, Techcet has recently introduced a new service to satisfy those that want to both stay connected to supply chain/materials market information *and* have the option to pay a lower monthly fee, opposed to a larger upfront fee.

**TEHCET MEMBERSHIP SERVICE**

**Clients receive quarterly updates on select materials as well as Open Access to Subject Matter Analyst for on-the-spot questions related to the Techcet's Critical Materials Reports™**

This [Techcet Membership Service](#) is an enabling component to help chip fabs, OEMs and material suppliers track, anticipate, and control the risk associated with materials supply and market competition. As appliances and home devices start anticipating our every need and access our highly capable portable devices, i.e. our iPhone 6 or our windows watch, more materials and innovative materials will be needed.

## "Materials innovation is not dead"

- *Lita Shon-Roy, President/CEO  
of Techcet Group*



"Even before the 2008 recession, materials development had started to slow down as it became clear that many materials of interest had very low volume potential relative to the expense that was required to do proof of concept testing. Suppliers started to increase pricing, as opportunities for high ASP materials shrank. This tempered the interest in new materials development, and everyone in the industry came to the realization that costs must be reduced in order to continue to stay alive", she added.

The increase in interest in patterning materials and 3-D devices is driving the materials market forward. In addition, the increase in trailing edge devices which support consumer electronics and the internet of things will ensure that trailing edge devices will maintain or even grow in revenues over the coming years. For more info on TECHCET's MEMBERSHIP SERVICE, [click here](#)! or for information specific on available CMP Reports [click here](#).

Sincerely,

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