



**PRESS - RELEASE**

## **Monocrystal delivers 150-millionth TIE**

**Stavropol, Russia, July 26, 2017** – Monocrystal, a global leader in synthetic sapphire growing and processing, celebrates the shipment of its 150-millionth two-inch equivalent product.

Since its incorporation in 1999, Monocrystal has transformed from a niche sapphire market player into a well-established high-volume manufacturer, providing stable supply for over 130 sapphire customers globally.

“Historically more than 60% out of 150 million TIE have been large diameter wafers and ingots for LED. We are now seeing an increasing demand for our 6-inch wafers since major LED manufacturers prefer our product due to its impeccable performance during nitride growth. Monocrystal’s low stress wafers demonstrate low thermal bow in the epitaxial process. As a result, our customers get tighter wavelength uniformity and increase their binning yields by 2-3%, which is significant for high volume production. 6-inch wafers are yet to become the driver of efficiency improvement, while Monocrystal’s customers are already enjoying the benefits of stable yields and lower costs,” Monocrystal’s CEO Oleg Kachalov commented.

“The 150-millionth TIE milestone is proof of the high quality of our products and trust of our customers. Thanks to its state-of-the-art technology and production efficiency, Monocrystal has become a synonym for quality and reliability. The LED industry has made significant progress over the past few years but still there are future opportunities. For instance, microLEDs seem to be a feasible and promising technology. Monocrystal has already delivered ultra-clean wafers for this application. We have several initiatives running to support customers engaged in microLED development,” VP Marketing Ludmila Zubova added.

### **About Monocrystal**

Monocrystal, a part of the diversified industrial group of companies Energomera, is a leading supplier of sapphire products for LED and metallization pastes for solar industries. According to the company’s estimates, every 3rd LED and every 10th solar module in the world is made with Monocrystal products. The company’s product portfolio includes large diameter sapphire substrates and ingots for LEDs, bricks and ingots for consumer electronics, optical windows, screen printing pastes for silicon wafer solar cells, and conductive silver pastes for automotive glass. The company exports more than 99% of its products to more than 25 countries worldwide. For more information, please visit <http://www.monocrystal.com/>

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