

## Receiving the New Product Innovation Award

We are honored to announce that Scienstry has received the 2018 **New Product Innovation Award** from **Frost & Sullivan**. According to its great reputation and 60 years of history of Frost & Sullivan, this award indicates that the market has recognized our No. 1 position in quality. The award is mainly based on our achievements in overcoming major long-lasting industrial problems, including:

- **Widen operation temperature range.** Smart glass products have a typical operating temperature range of 0 to +40 °C, limiting their usage to only indoor applications. Scienstry achieves an applicational range of -30 to +80 °C.
- **Increase ultraviolet (UV) stability.** Liquid crystal films have high UV absorption and can be unstable to sunlight. Scienstry improves UV stability over 50 times.
- **Increase stability to moisture.** Liquid crystal films are susceptible to failure when they are continuously exposed to moisture, and need to be sealed by lamination using glass. Film developers must work closely with the glass industry to market their products. Scienstry's improvements allows its 3G Switchable Film either laminated into glass or used in air for a very long time.
- **Improve both opacity and transparency.** Smart glass products typically offer either good opacity or good transparency, but not both features in the same product. Scienstry provides its products with high performance in both ends, or better transparency and better opacity.
- **Reduce driving voltage.** Smart glass products need to be typically driven by about 90 volt, limiting their usage to only small area. Scienstry achieves a low voltage driving as low as 15 volt which opens a door for many applications like automobile and residential windows.
- **Allow to front projection.** laminated smart glass is not capable for front projection, because of serious blurry. With limitation of incapable for exterior window, window advertising and building advertising are impossible. Scienstry discovers a mechanism of blur generation and resolve the problem of front projection.

Frost & Sullivan recognizes that these six challenges are fundamental problems which had greatly limited applications of smart glass for about three decades. After overcoming these problems, Scienstry's 3G Switchable Film opens up great emerging markets for smart glass, especially for various outdoor applications. Scienstry has benefited with its new non-linear optical system. It is impossible to have these breakthroughs with old PDLC system. We have turned imaginations into a reality with proofs of many word-class projects.

Our patented products and technologies have great advantages in market competition by protecting making, sale and use. Although Scienstry's products and technologies are internationally covered by patents, not all countries abide by rules of intellectual property. In some of countries, irregular business practices are common. Some of competitors even indicate that they have capability to imitate any company's product. This award will help us and our customers to win bids or convince end users by added value and characteristics of the product. If someone says that his product quality is getting close to quality of 3G Switchable Film, you should ask how his products not infringe Scienstry's patents and why they suddenly get improvements with PDLC principle after decades of silence. Actually, in large volume, prices of 3G Switchable Film are compatible. Due to enlargement of our production, our prices will be more and more competitive too. We are glad to see that we finally open up great emerging markets of outdoor applications after overcoming these six challenges due to our passion. We sincerely invite you to use 3G Switchable Film and enjoy the prosperity of the emerging markets.

**Scienstry, Inc.**