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C3Nano's ActiveGrid™ Ink Qualified for Mass Production by Hitachi Chemical Company

Hitachi Chemical's TCTF® Product Adopted in Major Chinese Flexible Mobile Device

HAYWARD, CA – May 13, 2019 – [C3Nano Inc.](#), the world's performance leader in silver nanowire-based [transparent conductive inks and films](#) used in flexible displays, touchscreens and other products, today announced that Hitachi Chemical Company, Ltd. has qualified C3Nano's ActiveGrid™ ink for mass production in its TCTF® (transparent conductive transfer film) product. Additionally, Hitachi Chemical's TCTF has been adopted in a major Chinese mobile flexible device and is expected to be integrated into several more flexible devices in 2019. *[Note to editors: See C3Nano at the [Display Week](#) conference May 13-15 in San Jose, Booth 1832. See also "[C3Nano Announces Breakthrough Material for Flexible Touchscreen Displays.](#)"]*

As smartphone makers and other manufacturers move toward incorporating flexible and highly interactive touchscreens into their products, they need transparent conductive inks and films that deliver the highest optoelectronic performance while still maintaining superior ductility. Optical quality determines the brilliance and sharpness of displays, while conductivity ensures instantaneous touch responsiveness; both are critical for Tier 1 devices. Silver nanowire-based transparent films are displacing older display-related materials such as Indium Tin Oxide (ITO) because they are more flexible and deliver better optical quality with low resistivity. C3Nano's ActiveGrid transparent conductive inks and films lead the industry with the best combination of optical and electrical performance.

"Hitachi Chemical's TCTF breakthrough technology simplifies the patterning process and enables roll-to-roll processing of silver nanowire-based transparent conductive films," said Hiroshi Yamazaki manager, transparent conductive materials business sector at Hitachi Chemical. "C3Nano's ActiveGrid inks enable us to deliver the flexibility and optical quality our customers require for the next generation of displays in smartphones and other devices."

“We are extremely proud to have our ActiveGrid products integrated with Hitachi Chemical’s unique and novel TCTF product. We have worked closely with Hitachi Chemical for the past five years, and we could not have asked for a better partner,” said Cliff Morris, CEO of C3Nano. “This is C3Nano’s second flexible display design win and production launch in the past three months, and it is gratifying to finally see the flexible display market taking off and adopting our technology.”

About C3Nano, Inc.

C3Nano is an advanced display materials manufacturer serving a wide range of electronic applications. C3Nano’s conductive inks and films deliver superior performance for large interactive displays, foldable smartphones and tablets, wearables, and other products. Founded in 2010 as a spinout from Stanford University, C3Nano’s investors and partners include GSR Ventures, Nissha Printing Co., Ltd., Phoenix Venture Partners, Hitachi Chemical, Lens Technology, Nagase America, and a top Internet technology company headquartered in Silicon Valley. C3Nano is headquartered in Silicon Valley, California with manufacturing operations in Hayward, CA, and Changzhou, China, and sales and technical support across Asia.

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