BOE Technology Group Teams with Applied Materials to Deliver Leading-Edge Display Technologies for Next-Generation Televisions and Mobile Displays

July 2, 2013

- *Largest flat panel display manufacturer in China has placed significant orders for Applied Materials' PVD and PECVD display systems*
- *Validates the ability of Applied Materials' display systems to enable faster transistors and refresh rates for ultra-high resolution displays*
- *Capability to deposit new high-performance materials key to enabling future advanced display era*

SANTA CLARA, Calif., July 2, 2013 -BOE Technology Group, Co., the largest flat panel display manufacturer in China, has placed significant orders for advanced Gen 8.5 and Gen 5.5 display production equipment from Applied Materials for use in multiple facilities. BOE selected these systems because of their ability to produce faster, smaller thin film transistors for the next era of high definition televisions and high pixel density displays for future mobile devices. Applied Materials is providing a full suite of advanced deposition equipment including the leading-edge Applied PiVot® PVD and PECVD systems, which are capable of supporting critical new technologies such as metal oxide and LTPS.

"BOE continues to execute on its manufacturing capacity and technology initiatives and appreciates the strong cooperative relationship with Applied Materials in developing and creating value in support of the world's largest TV and mobile display market," said Mr. Liu Xiaodong, executive vice president, chief operation officer of BOE. "Over the past year we have achieved key high-volume Gen 8.5 production and yield milestones, which demonstrate our leadership in growing this strategic industry in China. We are pleased to work with Applied Materials to implement the new technologies needed to continue meeting the high quality, high performance screens consumers have come to expect and demand."

"Applied Materials is delighted to play an important role in BOE's growth strategy and is committed to providing the leading-edge technologies to enable its continued success," said Ali Salehpour, group vice president, general manager, Applied Materials Energy and Environmental Solutions and Display Business Group. "There is a major shift taking place in the display industry toward adopting new materials, and BOE selecting Applied Materials equipment validates the technology differentiation and productivity gains we provide to our customers. Together, BOE and Applied are enabling consumers to experience displays with world-class color, clarity and brightness."

The Applied PiVot PVD and PECVD systems selected by BOE provide a high-performance, cost-effective path to manufacturing stunning high resolution amorphous silicon, metal oxide and LTPS displays. These systems can significantly increase production and achieve the same economies of scale that enabled the cost of LCD TVs to fall by more than 95% over the past decade and brought large-area LCD televisions within the reach of billions of consumers around the globe.

For more information about Applied's innovative solutions for display manufacturing, please visit www.appliedmaterials.com/display.

Applied Materials, Inc. (Nasdaq:AMAT) is the global leader in providing innovative equipment, services and software to enable the manufacture of advanced semiconductor, flat panel display and solar photovoltaic products. Our technologies help make innovations like smartphones, flat screen TVs and solar panels more affordable and accessible to consumers and businesses around the world. Learn more at www.appliedmaterials.com.

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PHOTO: BOE Selects Applied Materials' Display Technologies
PHOTO: Applied Materials' PiVot® PVD and CVD Systems Selected by BOE