



## News Releases

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### **Showa Denko Boosts High-purity Ammonia Production in Taiwan**

**—to increase sales in East Asia and ASEAN—**

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Showa Denko K.K.

December 22, 2015

Showa Denko K.K. (SDK) (TOKYO: 4004) has expanded its capacity to supply high-purity ammonia, which is widely used in production processes of electronic materials, by stepping up the production capacity of a plant owned by its manufacturing subsidiary in Taiwan from 2,500 tons a year to 3,500 tons a year. The Showa Denko Group has three bases to produce high-purity ammonia, which are located in Japan, Taiwan and China. As a result of this step-up, the total production capacity of these three bases has been increased to 7,000 tons a year\*.

High-purity ammonia is a specialty gas used for forming nitride film in the processes to produce electronic parts such as compound semiconductors including LEDs and LCD panels. SDK has been producing and selling high-purity ammonia in Taiwan since 2005. Our sales in Taiwan have been favorably increasing not only because the market for LEDs and LCD panels in that region has been expanding, but also because our efficient production system and advanced purification, analysis and quality-control technologies are highly acclaimed by local customers. Furthermore, the demand for high-purity ammonia is expected to increase in ASEAN region in the future. SDK will surely take these business opportunities by realizing global supply chain management.

The market for electronic materials and parts has been growing, centering on East Asia. Moreover, the amount of high-purity gases used in production of electronic materials and parts is expected to continue increasing due to the progress in miniaturization and multilayer structures of semiconductor integrated circuits and the development of LCDs toward higher definition. In our new medium-term business plan “Project 2020+” which will start in January 2016, we have positioned our electronic-material-processing high-purity gas business as “Growth-accelerating business.” SDK will promptly respond to the expansion of the global market for electronic parts,

aiming to strengthen and expand its electronic-material-processing high-purity gas business.

\*Showa Denko Group's high-purity ammonia production bases and their annual production capacities, as of December 22, 2015

1)Japan	:Kawasaki Plant, Showa Denko K.K. (Kawasaki City)	1,500t/y
2)Taiwan	:Taiwan Showa Chemicals Manufacturing Co., Ltd. (Tainan City)	3,500t/y
3)China	:Zhejiang Quzhou Juhua Showa Electronic Chemical Materials Co., Ltd.(Quzhou City, Zhejiang Province)	2,000t/y

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