

## Solid Industry Cluster Development

### Optoelectronics Industry

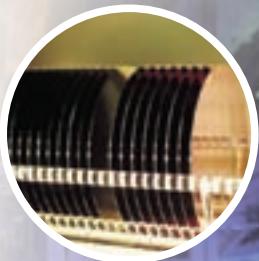
The STSP flat panel display industry cluster enjoys the most comprehensive vertical integration of industry enterprises on the island. With the residency of internationally-renowned Chisso Taiwan Co., Sumika Technology Co., Ltd., Corning Display Technologies, and 3M, the continued expansion of Chi Mei Optoelectronics within the Park, and the 2007 admittance of Cosmotac Co., Exceed Material-Tech Corp., and Shin Nan Technology Inc., the STSP has become a key player in the global flat panel display industry, and is poised to become the international industry leader. As of the end of 2007, there are two Gen-3.5~4 plants, four Gen-5~5.5 plants, an one Gen-7.5 plant in production, as well as one Gen-6 plant and one Gen-8.5 plant under construction.

In compliance with the government's renewable-energy promotion policy to mitigate rising oil prices worldwide, the STSP diligently pursued the establishment of a photovoltaic industry cluster. Five major industry enterprises were admitted in 2007, including Gloria Solar Corp., Kenmos Photovoltaic Co., Auria Solar Co., Taiwan Polysilicon Corp. and AxunTek Solar Energy Co., with a combined investment of US\$307 million, constituting 71.5% of total STSP investments in 2007. From upstream materials to mid-stream batteries and downstream modules, the STSP photovoltaic industry chain is taking shape nicely.

As of the end of 2007, a total 45 industry enterprises have been approved as STSP enterprises, claiming a combined annual turnover of US\$13.4 billion and 35,098 employees, which constitutes a respective 72.1% and 64.9% of Park-wide totals.

### IC Industry

A total 13 industry enterprises were officially admitted to the STSP as of the end of 2007, with a combined investment of US\$43 billion, and a steady turnover growth of 10% annually. With an eye on the future, semiconductor industry enterprises focused on the construction and expansion of 12-inch wafer fabs in 2007. The UMC Research Center for Advanced Manufacturing is already established, and Tatung InfoComm Co., admitted in 2007, is expected to further invigorate the WiMAX peripheral IC design industry. As of the end of 2007, there are four operating wafer fabs in the STSP, with one more currently being fitted and another under construction. Operating plants include one 8-inch wafer fab and three 12-inch wafer fabs. The industry garnered an annual turnover of US\$4.3 billion in 2007 and employed 11,955 people, constituting a respective 23.3% and 22.1% of Park-wide totals.





### Biotechnology Industry

Four medical devices companies were admitted in 2007, including Mildex Optical, Eped Inc., Blue-Ocean Co. and Hung Chun Tech Co.. This is a marked increase on 2006, and shows that the medical devices industry is taking root in the Park. The STSP Administration is currently collaborating with the Metal Industries Research & Development Centre (MIRDC) to establish the Medical Device Special Zone at KSP as the base for a medical devices industry cluster servicing the dental and orthopedic industries, and employing high-value metals and micro-electro-mechanical systems. As of the end of 2007, the 23 industry enterprises admitted had a combined annual turnover of US\$103 million, constituting a growth of 54.5% on 2006.

### Telecommunications Industry

To assist in the development of new-generation wireless communications WiMAX technology and its related industry, the Telecommunications Technology Center (TTC) is in the course of establishing a WiMAX certification lab. Having obtained a southern Taiwan WiMAX license, Tatung InfoComm was also admitted to the KSP in 2007 for the research and development of WiMAX broadband wireless access application services. With the TTC and Tatung InfoComm in the lead, the KSP is poised to become a telecommunications industry hub. As of the end of 2007, a total 10 industry enterprises have been admitted, garnering a combined turnover of US\$51 million and 819 employees.

### Precision Machinery Industry

Four industry enterprises were approved as STSP enterprises in 2007, involved in the production of vacuum systems, industrial robots, in-line sputtering equipment, CVD diamond-thick wafers, and their related equipment. This gives STSP wafer fabs and optoelectronics plants great advantages including expedient service, reduced costs, and enhanced industry competitiveness. As of the end of 2007, a total 49 industry enterprises have been admitted to the STSP, garnering a combined turnover of US\$622 million and 3,122 employees. In future, a comprehensive industry structure incorporating the semiconductor, TFT, and photovoltaic industries should attract more automatic-equipment related investments for the creation of a more well-rounded precision machinery industry chain.