

- 01. Solar panels adorn the roofs of many houses in Renjian Qingjing residential community in Annan District.
- 02 - 04. Shalun Green Energy Science City is set to host a variety of facilities for cutting-edge renewable technologies.
- 05. Hengs Technology Co. is a turnkey solar solutions provider.
- 06 & 07. Prominent clients of Hengs include Tainan-based National Museum of Taiwan History and the Port of Kaohsiung in southern Taiwan's Kaohsiung City.

01 & 05. Photos by Chin Hung-hao  
 06. Photo by Huang Chung-hsin  
 07. Courtesy of Hengs Technology Co.



manager. “We pocket returns averaging 13 percent annually by selling our electricity to Taipower.”

### Low-Carbon Model

Launched in 2011, the Solar City Project aims to transform Tainan into a low-carbon metropolis. One-stop service windows have been established at many district offices to provide information on various forms of financial and technical support for rooftop, ground-mounted and floating

PV systems. By January this year, 43<sup>4</sup> megawatts (MW) of solar capacity had been installed citywide. This achievement earned Tainan gold in the Low Carbon Model Towns category of the Asia-Pacific Economic Cooperation’s 2017 Energy Smart Communities Initiative Best Practice Awards Program.

According to Stanly Yin (殷世熙), director-general of Tainan City Government’s Economic Development Bureau, the projec



capitalizes on regional advantages in such areas as climate, industrial prowess and research capabilities. “Our city receives an average of 2,024 hours of sunshine per year, compared to the national mean of 1,601,” he said. “We also have access to a complete renewable power supply chain.”

Tainan is home to more than 270 companies involved in developing and manufacturing green energy conservation, generation and storage technologies. Academia-private sector collaboration is a key factor in the industry’s success, Yin said, adding that research groups at local institutions including National Cheng Kung University, National University of Tainan and Southern Taiwan University of Science and Technology have developed robust

collaborative relationships with many of the enterprises.

These assets explain Tainan’s selection as the hub of a national renewable energy industry promotion plan. The central government project comes under the Forward-looking Infrastructure Development Program (FIDP), a comprehensive initiative aimed at addressing Taiwan’s key infrastructure needs for the next 30 years.

The green energy portion of the FIDP includes some NT\$8 billion (US\$266 million) in funding through 2018 for a variety of projects nationwide spanning smart meters, solar power facilities and wind turbines. Among the largest of these is Shalun Green Energy Science City (SGESC). Slated to be built next to Taiwan High Speed

