The part of the Taiwan government's "5 + 2" program to develop five innovative industries, and the “green energy technology and industry” is the major one. The project aims to spur research and development in renewable energy technology and serve as an international demonstration site. For activating existing and innovative green energy industries, link up industry, academia and research sources, Shalun Green Energy Science City is positioned for creating next-generation emerging green energy industry and technology with R&D at Taiwan located at Tainan. The project focus on four areas: energy creation, energy storage, energy conservation, systems integration. The PV demonstration site is one of the important item in this area, including: slope-type PV, water-surface PV, outdoor verification site and so on.

In spite of the core area: united research center and demonstration cite, this green energy science city also plan to build the low carbon emissions and intellectual infrastructure such as: 100% green energy building, smart grid, smart street light, autonomous driving test bed, energy management center and so on. The infrastructure will complete successively by the end of 2019, to create an Ecosystem of Green Energy Industries. This city welcomes to the suitable cooperation and friendly exchanges, gathering the creativities and show them to the world.

Figure 1: Sample of figures in the abstract