



Case Study



Dunhuang, Gansu Province - solar power

Dunhuang city in Gansu province on the edge of the desert is a pivotal place for solar power development in China. Dunhuang has implemented a series of regional solar micro-grid pilot projects supported by the Institute of Electrical Engineering (IEE) of Chinese Academy of Sciences (CAS). These projects include Concentrated Solar Power and Heat Cogeneration (CSP-CHP) project - involving natural gas in the CHP part, solar vehicle micro-grid project, urban building integrated photovoltaic (BIPV) project, rural solar comprehensive utilization pilot project. A 100MW tower power plant molten salt CSP station in Dunhuang was announced and a first stage of 10 MW CSP tower in 2015. There exists a 16-hour heat storage system configuration in these projects.

Rooftop PV Elements in Qilizhen town of Dunhuang city, Gansu Province.



Source: <http://gansu.gscn.com.cn/system/2014/03/12/010623394.shtml>

References

ADB. 2014. Strengthening Capacity for Implementing New Energy City Program in Gansu Province ADB TA 8246-PRC , Submitted by CECEP Consulting Co., Ltd October 2014; <http://www.adb.org/sites/default/files/project-document/150006/46472-001-tacr-01.pdf>

National Solar Thermal Energy Alliance, Cooperation Framework Agreement between Shouhang Resources Saving and Dunhuang Bureau of Energy signed.
see: <http://en.nafste.org/index.php?m=content&c=index&a=show&catid=9&id=352>

Credentials

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