



Sustainability action · Project Renewable Energy and Energy Efficiency

Qinghai Delingha Xiehe Phase II and Phase III Solar, China

This solar power project on the Tibetan plateau provides the region with important clean and climate-neutral electricity.

Location and Project

The project is located near the city of Haixi in Qinghai Province, People's Republic of China, on the Tibetan plateau, perched at 3,895 meters above sea level. Haixi is an autonomous district of the Mongols and Tibetans and belongs to the Tibetan cultural region of Amdo.

In this region, autonomous power supply from renewable energy sources is particularly important, which is why this solar project - not least because of the achieved improvement of the living conditions of people in the Tibetan Plateau - is particularly suitable for the voluntary compensation of greenhouse gases. While the region has always relied on hydroelectric resources for much of its power, shifting weather patterns have caused reduced water volumes and frequent droughts. As a result, it is hoped that solar power will be able to take up the slack.

This solar project, which has a capacity of 20,07MWp, delivers 31.7 gigawatt hours of climate-neutral electricity to the Tibetan highlands and saves 27,200 tons of CO₂ annually. The purpose of Phase III is to install 67,840 pieces of the polycrystalline silicon solar cell modules with unit capacity of 295Wp to generate clean renewable electricity with zero emissions. The total installed capacity is 20.0128MWp. With intense sunlight and cool temperatures, Tibet is extremely well suited for the utilization of advanced photovoltaic technology.

Project Name	Installed capacity (MWp)	Annual feed-in electricity to the Kibing (MWh)	VERs (tCO ₂ e)
Qinghai Delingha Xiehe Phase II Solar PV Power Generation Project (Phase II)	20.0703	31,741.60	27,198
Qinghai Delingha Xiehe Phase III Solar PV Power Generation Project(Phase III)	20.0128	31,567.89	27,049
Total	40.0831	63,309.49	54,247



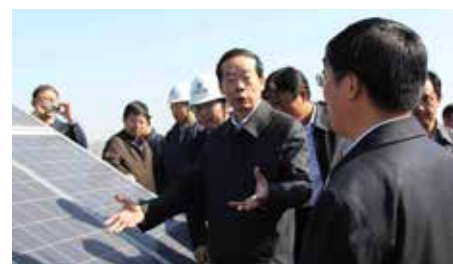
Project achievements

Socio-economic impact

- **Multiple skilled job opportunities have been created**, with the majority of workers being sourced from local communities (manufacturing, installation, operation and maintenance of equipment).
- **The project has led to regional infrastructure improvement** in direct alignment with the national goals and objectives for agriculture, livestock, rural development, fishing and nutrition.
- **This initiative will be an important catalyst** for sustainable development in Tibet.

Environmental impact

- Apart from the reduction of GHG emissions, the project significantly reduces SOx and NOx emissions.



Checklist Project 301856

Commercial Operation Date

September 2013

Total capacity

20,07MWp

Estimated Annual Electricity Generation

20.0128MWp (sum of all)

Quality Assurance and Verification

Annual audit by Applus+

Annual verification provided by Gold Standard Foundation for micro-projects

Transparency

RECs listed in GoldPower Register (<http://goldpower.net/goldpowerregister>)

Underpinning carbon credits retired in Gold Standard Markit Registry

Marketing material

High-resolution pictures available

Reportability

Meets GHG Protocol Scope 2 Guidance criteria

GoldPower credentials projects certified by



GoldPower credentials reportable under



<http://www.thesouthpolegroup.com/sustainability-solutions/renewable-energy>

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