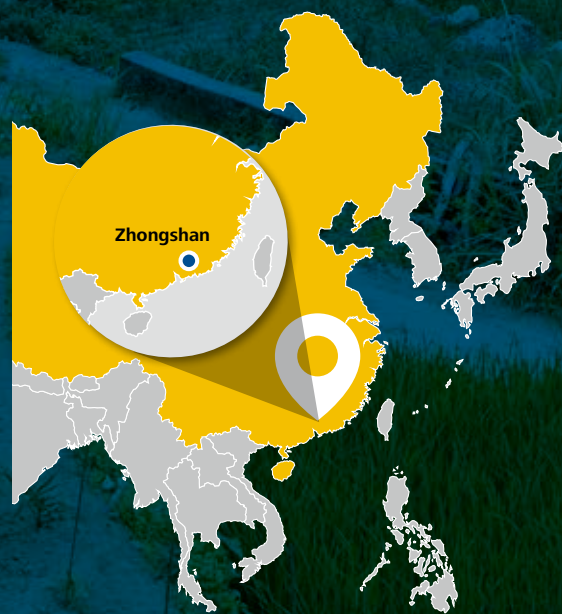


HEZHOU HYDROPOWER CHINA

Harnessing the renewable energy of flowing water to power Chinese communities



These three small hydropower stations in the Guangxi province generate clean, renewable energy to a capacity of 2.8 MW. The project also makes regular contributions to the sustainable development of the area through income generation and employment opportunities.

The Context

As China's economy continues to expand, the need to meet growing energy demands without impacting further on the planet is more important than ever. Air pollution is a considerable problem in some regions of China, which is why there is an increasing push to develop renewable energy alternatives that do not contribute to greenhouse gas emissions.

The Project

This project involves utilising the power of flowing rivers to generate renewable, emission-free energy to provide to the Chinese power grid. By diverting water to flow through hydraulic turbines and generators, energy is generated endlessly to power surrounding homes and contribute to the China Southern Power Grid. By providing a clean alternative to the burning of fossil fuels, the project displaces the emission of greenhouse gas usually created by such an energy demand.

The Benefits

These hydropower plants contribute to local sustainable development in several ways. Air pollutants are reduced by replacing fossil fuel combustion with run-of-the-river power generation. Employment opportunities are also created for local people for the continued operation of the plants. The project provides a higher salary compared to the average salary in the Government Work Report. Further, the project trains employees in correct operation procedures within the power station to ensure the safety of all on site.

Using the natural energy of flowing water to power Chinese homes.



Gold Standard



**6,460
MWh**

of clean energy provided to the China Southern Power Grid on average annually, promoting renewable energy development in China



**31
jobs**

for local people have been created, increasing the income for the local villagers and farmers



**3,214
tCO₂e**

reduced on average annually by providing an alternative energy source to the burning of fossil fuels

For more information on the UN Sustainable Development Goals, please visit: <http://www.un.org/sustainabledevelopment/sustainable-development-goals/>

Official name: Zhongshan County Micro Hydro Project Bundle No.1 | **UNFCCC/markit/VCS link:** https://mer.markit.com/br-reg/public/project.jsp?project_id=103000000001832
UNFCCC/markit/VCS ID: 103000000001832 | **GS ID:** GS1098

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