



Sustainability action · Project Renewable Energy and Energy Efficiency

Za Hung Hydropower, Vietnam

This hydro plant will be a contribution towards balancing the supply and demand gap and improve the low-quality infrastructure systems of the two communes, where minority ethnics groups are living.

Project

In recent years, Vietnam has suffered a critical electricity shortage as a consequence from rapidly increasing demand and insufficient supply, thereby imposing negative impacts on economic growth as well as on daily lives of people. By exporting electricity directly to the grid, it will help to reduce electricity losses across the national grid and to lessen the risks of cascading national grid collapse due to overload.

The project activity involves two units, a dam, intakes, tunnels, pressurized wells, penstocks, and powerhouse. The projects installed

capacity and estimated annual gross power generation is 30 MW and 122.7 GWh, respectively. Each unit has a turbine and a power generator, and discharge channels in order to convert potential energy from the water stream into clean electrical energy. The net electricity generated (with an estimated annual volume of 120.246 GWh) is supplied to the national grid via a newly constructed transmission line from the plant to a transformer station.

By supplying a stable electricity output, this project supports sustainable economic development of rural villages by improving infrastructure, supplying stable electricity, and generating jobs. In this mountainous region, one can see the benefits of sustainable energy production where the use of locally produced renewable energy allows for sustainable development without emissions harmful to people and planet.

Checklist	Additionality and permanence	3 rd party verified	Transparency	Annual CO ₂ -reduction	Social and environmental benefits	Marketing material
Project 300 758	According to the rules of the Gold Standard	By TÜV NORD	Provided by the Markit Registry	69,309 tCO ₂ e	As documented in our database	high resolution pictures available



Location

The project is located on the A Vuong River near the Za Hung and Ma Cooih communes, in the Quang Nam province. The project area is mountainous and covered by forests.

Project achievements

Socio-economic impact

- The new 110 kV line will reduce electricity losses and improve the electricity quality supplied in the region
- The project constructed a new road that was integrated into the traffic system of the commune
- Poor households of Ka Dau village received support and gifts
- Project owner donated money to households of the of Za Hung commune affected by floods in 2008 and 2013. The grant fund of 987,000 Vietnam dong was used to buy boats and telfher systems across the A Vuong river at Ka Dau village
- Financial assistance for the construction of 2 local houses. Ms A Lang Thi Nam and Ms A Vo Thi Dai received financing of more than more than 10, 000,000 Vietnam dong
- 32 new jobs have been created in maintenance and operation, of which 14 are for locals

Ecological impact

- The project maintains sufficient flow at the downstream section which secures fish habitat and migration during construction and operation
- An environmental protection plan secured minimum impact on the environment (dust avoidance, recreation of plant cover, etc.) during both construction and operation phases
- The decrease of open fires for light and heating leads to less deforestation and soil erosion, while the decrease of diesel generator use improves local air quality and mitigates air pollutants such as sulphur dioxide and nitrogen oxide

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