



Sustainability action · Project Renewable Energy and Energy Efficiency

Khe Dien Hydropower, Vietnam

This hydropower plant contributes to sustainable development by providing access to clean electricity to local communities in Vietnam.

Project

The hydropower plant generates clean electricity from the Khe Dien stream, which is a branch of the Thu Bon river. The renewable electricity is supplied to the national grid through a Power Purchase Agreement (PPA), which has been signed with the Electricity Corporation of Vietnam (EVN). The plant has an installed capacity and estimated annual gross power generation of 9 MW and 40,640 MWh, respectively.





Location

The project is located in Khe Dien town, the Nong Son district and the Quang Nam province in Vietnam.

Project achievements

Socio-economic impact

- The plant generates 40,640 MWh of clean electricity per year, meeting the electricity demand of around 300 people.
- Residents in the local area have benefitted from improvements in infrastructure, as the plant owner built a 12.5 km long road that has been integrated into the traffic system.

Environmental impact

- By generating renewable electricity, the plant displaces fossil fuel-based electricity from the Vietnamese national grid, saving approximately 30,480 tCO₂e per year.
- Trees have been planted on 4.62 ha of land to tackle deforestation and protect biodiversity in the region.



Checklist Project

Commercial Operation Date

28 May 2007

Total capacity

9 MW

Estimated Annual Electricity Generation

40,640 MWh

Quality Assurance and Verification

In accordance to the I-REC Code

I-REC Registration

Project registered on 1 March 2015

Transparency

I-RECs listed in I-REC Registry (<https://registry.irecservices.com/Public/Home/>)

Marketing material

High-resolution pictures available

Reportability

Meets GHG Protocol Scope 2 Guidance criteria

I-RECs Standard



I-RECs reportable under



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

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