

Rio Floresta D'Oeste

Brazil



Project summary

The challenge

In Rondônia, energy generated by **thermal plants accounts for 70% of total installed capacity**, while large hydro account for 23% and small hydro **only accounts for 7%**.

Thermal energy generation is the major mode of energy generation in Rondônia. As a result, the trend in that region **is toward the installation of fossil fuel units rather than hydro units**. Rondônia is dependent on fossil fuels.

The solution

The Rio Floresta d'Oeste Project, located in a rural section of the Brazilian state of Rondonia, is a **small run-of-river hydroelectric plant with a capacity of 5 MW**.

This hydroelectric project supplies a clean supply of energy to the municipality of Alta Floresta d'Oeste's local grid, which runs independently of the national grid of Brazil. The project activity saves approximately **28,000 tons of CO₂e emissions each year**, as the **clean electricity** provided by the project contributes to **lowering the carbon intensity of the country's electric mix**.



Reduction



Start date: 2003



Verified Carbon
Standard
A VERRA STANDARD



Hydropower Energy

Environmental benefits



CO₂ removal

- **Average per year:** 28,059 tCO₂
- **Total estimated :** 280,590 tCO₂



Other environmental benefits

- Allows for **the displacement of fossil-fuel-based electricity into the local grid**, thereby avoiding CO₂ emissions and **contributing to the fight against climate change**;
- Diversifying the Brazilian energy mix with clean, **renewable energy generation**.



Social & Economic benefits



Social impact:

- Increased and **stabilized electrification for local populations**;
- The project seeks to **improve local understanding of sustainable electricity generation** through educational programs for local schools. **Over 6,000 students** of various ages have visited the powerplant as a part of this program.



Economic impact:

- Contributes to the development of renewable energy in Brazil and the **strengthening of the local electric grid** of the remote parts of Rondonia;
- Through its construction, maintenance and operation, the project has **led to the creation of jobs** and livelihoods for locals and has led to training and skilled individuals.



Your climate experts. Your partners for positive change.

EcoAct, an Eviden business, is an international climate consultancy and project developer that supports companies to set robust science-aligned net-zero strategies and achieve their climate targets. Founded in France in 2005, the company now spans three continents with offices in Europe, North America and Africa.

With a team of more than 360 international climate experts, EcoAct's core purpose is to lead the way in delivering sustainable business solutions that deliver true value for both climate and client. EcoAct is a CDP Gold Partner, a founding member of ICROA, a strategic partner in the implementation of the Gold Standard for the Global Goals and reports to the UN Global Compact.

EcoAct UK

+44 (0) 203 589 9444
ukoffice@eco-act.com

EcoAct Spain

+34 935 851 122
contacta@eco-act.com

EcoAct Kenya

+254 708 066 725
info@climatepal.com

EcoAct France

+33 (0)1 83 64 08 70
contact@eco-act.com

EcoAct Central Europe

+4921139990999
netzerotransformation@atos.net

EcoAct North America

+1 917 744 9660
ecoact.naoffice@atos.net

EcoAct Italy

+39- 334-603 1139
nzt.italia@atos.net



ecoact
an Eviden business