



ClimatePartner^o



Hydropower

Santa Catarina, Brazil

The Consórcio Empresarial Salto Pilão operates a run-of-river hydro power plant, situated in the state of Santa Catarina in the south of Brazil, with an installed capacity of 182.3 MW. The power plant increases the share of renewable energy in the country's power grid, which is currently highly dependent on fossil fuel-fired power plants.

By replacing fossil fuels and preventing the reconstruction of fossil fuel power plants, the project annually avoids the emission of 290,976 tons of CO₂-equivalents.

The run-of-river hydro power plant ponds parts of the Itajaí Açu river in a reservoir of 0.15 km² and uses the water to produce electricity with two Francis turbines.

Placed in a beneficial topographical area, there is no need for a large water reservoir to run the power plant. Thus negative impacts on the environment are avoided. There is also no need to relocate parts of the local population, which is often necessary with hydro power plants with larger reservoirs. Due to the positive environmental and social effects, local stakeholders and public entities also supported the implementation of the project.

Further benefits of the project

- » Additional local job opportunities affiliated with the construction as well as the operation phase of the power plant
- » Improvement of local infrastructure
- » Increased efficiency of the electricity sector and contribution to the development of green economy by increasing the share of renewable energy production

Verification:

Bureau Veritas Certification Holding SAS

Type:

Verified Carbon Standard (VCS)

Total volume:

2,908,762 tons CO₂-equivalents

The project is situated in the area of the cities of Lontras, Ibirama and Apiúna in the south of Brazil close the Rio Itajaí Açu.

