

1,021,075

SAVED EMISSIONS TONS CO2 EQ /YEAR



Asahan 1 Hydroelectric Power Plant 2 x 90 MW

Indonesia

FOKUS ZUKUNFT

PROJECT-ID: 4118 FZ-ID: 2161

Asahan 1 Hydroelectric Power Plant 2 x 90 MW

Run-of-river power plant on the Asahan River near Lake Toba

The Asahan 1 Hydroelectric Power Plant 2 x 90 MW project, developed by PT Bajradaya Sentranusa, is a run-of-river power plant project in the province of North Sumatera in Indonesia.

The existing flow of the Asahan River is used to generate electricity. As it is a runof-river power plant, the project does not require the construction of a large dam or reservoir. The natural lake with an area of 1,103 km2 provides the project with an annual available water supply.

Geographically, the project is located downstream of Lake Toba and upstream of the existing Asahan 2 (Siguragura) hydropower plant, a large dam power plant built in 1981. The project aims to supply zero-emission energy to the Sumatera grid, a grid with relatively carbon-intensive electricity supply located on Sumatera Island, which currently has no interconnection with the grid on other islands, e.g. Java and Kalimantan.

For more information please click here.

Overview of the project data:

1,021,075 SAVED EMISSIONS TONS CO2 EQ /YEAR

7,147,525 SAVED EMISSIONS TONS CO2 EQ TOTAL



Earthood Services Pvt. Ltd. VALIDATOR





Power Plant 2 x 90 MW







