

## European Solar and Energy Storage Solutions

# Ivory Coast micro turbine power generator



## Overview

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The Atinkou power plant is being built on a 30ha site located in the village of Taboth. Taboth is in Jacqueline prefecture, approximately 30km west of Abidjan.

The Atinkou power project will be a combined-cycle gas plant equipped with a single gas turbine, steam turbine and recovery boiler. It is.

The SGT5-4000F gas turbine is the first F-class turbine to be installed in Sub-Saharan Africa. It is designed to provide high performance and low power generation costs. The.

The power generated from the Atinkou plant will be transmitted through a 400kV transmission line between a substation at the plant site and the Akoupé Zeudji substation. The 400kV network is the first in the country aimed at.

The gas-fired power plant is being built in two phases. The first phase, which will be completed within 18 months, will involve the construction and.

Atinkou Thermal Power Station, also Atinkou Efficient Power Station, is a 390 MW (520,000 hp) -fired thermal power plant under construction, in , near the town of , in the .

Who financed a gas power plant in Ivory Coast?

Hughes Hubbard & Reed was engaged to advise the Government of Ivory Coast on the project's financing. Spanish construction and engineering company TSK received a contract worth more than €250m (\$296.37m) from Eranove to build the gas power plant for the project.

Does Eranove have a power plant in Ivory Coast?

A producer of water and electricity in Africa, Eranove entered a concession agreement with the Government of Ivory Coast for the power plant in 2018. The agreement covered financing, design, construction, operation and maintenance of the plant.

Where does the Ivorian power plant get its gas?

Gas for the power plant is sourced from the Devon fields (Lion/Panthère), the Foxtrot field and the CNR fields (Espoir/Baobab), with Foxtrot field being the primary gas supplier. The plant also includes an electrical switchyard operated by Compagnie Ivoirienne d'Electricité (CIE), the National Ivorian Electricity Distribution Company.

How many turbines are in a 453mw combined-cycle power plant?

The existing 453MW combined-cycle power plant is installed with two Alstom GT13E2 gas turbines, two heat recovery steam generators, a 140MW steam turbine generator, one steam condenser with an associated closed loop and an air-cooled cooling water system.

How much energy does The Atinkou power plant generate?

The 390MW Atinkou plant is expected to generate 2.8TWh of energy while offsetting 490,122t of CO<sub>2</sub> emissions each year. Credit: rsoill / Shutterstock. To be powered by Siemens Energy's turbines, the Atinkou power plant will begin operations by the end of 2022. Credit: Siemens Energy.

Who built the Azito thermal power plant in Côte d'Ivoire?

The 453MW plant was developed in three phases, under a build-own-operate-transfer (BOOT) scheme. The Côte d'Ivoire Government contracted the construction of the Azito thermal power plant in 1998 to Azito Energie, a consortium comprised of IPS-WA, ABB, and Electricité de France (EDF).

## Ivory Coast micro turbine power generator

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### Atinkou Combined-Cycle Power Project

The Atinkou power project, also known as the Ciprel V power plant, is a 390MW gas-fired, combined-cycle power project under construction in the Lagunes region of the Ivory Coast. The project is being developed by Atinkou, a subsidiary of pan-African industrial group Eranove, with an estimated investment of approximately £352m (\$450m).

### Alstom to supply equipment for Ivory Coast's

Alstom to supply equipment for Ivory Coast's largest hydropower project. Alstom will supply electromechanical equipment including three 90MW Francis turbine-generator sets, a 5MW Bulb turbine-generator set and related equipment for the project. Tick here to opt out of curated industry news, reports, and event updates from Power



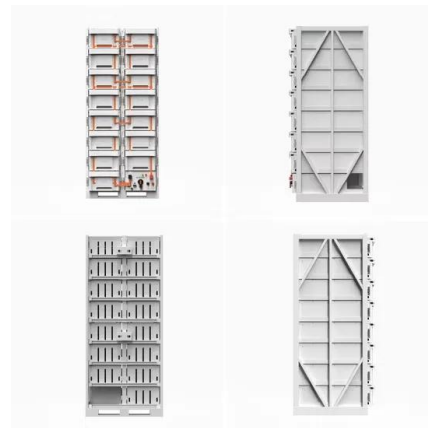
### Atinkou Thermal Power Station

Summary [Location](#) [Overview](#) [Ownership](#) [Funding](#) [See also](#) [External links](#)

Atinkou Thermal Power Station, also Atinkou Efficient Power Station, is a 390 MW (520,000 hp) natural gas-fired thermal power plant under construction, in Taboth Village, near the town of Jacqueline, in the Ivory Coast.

## CIPREL CCGT Power Plant Phase V, Ivory Coast

The CIPREL CCGT Power Plant Phase V is 390MW gas fired power project. It is planned in Lagunes, Ivory Coast. The project is currently in permitting stage. It will be developed in multiple phases. It is a combined cycle gas turbine (ccgt) power plant. The power plant can run on dual-fuel. Siemens Energy is expected to be the supplier



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## Cometto SPMT in action for a power plant project in ...

900 tons of equipment were transported by teams from Bolloré Transport & Logistics for the construction of phase 4 of the Azito power plant in Ivory Coast. Including among others a turbine and a generator, that were moved by Marine ...

## Alstom to service GT13E2 gas turbines in the Ivory Coast and ...

...

The Azito power plant, owned by Azito Energie S.A., consists of two GT13E2 gas turbines operating in single cycle mode and is located close to the country's capital Abidjan. The plant provides 288 MW of electric power to the grid and accounts for approximately 35 percent of the total electricity production in the Ivory Coast. For the Samra III power plant, ...



## IVORY COAST: Eranove wraps up financing for its 390 MW power ...



The company Atinkou was created ad hoc for the implementation of this important development project in Ivory Coast. It will result in the construction of a combined cycle power plant, i.e. producing electricity through two turbines. The first one runs on a fuel (natural gas) and the second is a steam turbine. Both turbines operate simultaneously.

## Project Title: Micro Turbine Generator Program

A number of micro turbines generators have recently been announced as currently commercially available for include the turbine, compressor, generator, and power electronics to deliver the power to the grid. These small conducted to determine compliance with South Coast Air Quality Management District Rule 2005 for NOx emissions



## Siemens F-class turbine to power Atinkou CCGT at Ivory Coast

Siemens Energy, together with the Spanish EPC contractor TSK, will supply and install an F-class gas turbine at Atinkou's new combined-cycle power plant, under construction in Jacquville, Ivory Coast. Owned by Atinkou, part of Eranove Group, the CCGT will have an installed capacity of 390 MW and is due operational in late 2022.

## Power generators for CIPREL Power Plant, Ivory Coast , GRUPEL

As part of the most recent Grupel Special

Projects, we may highlight two (2) power generators provided to a power plant in Ivory Coast. The project supplies energy to the CIPREL ( Compagnie Ivoirienne de Production d'Electricité ) power plant, the largest and most powerful one in the country, composed of three (3) gas turbines and one (1



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## Micro Hydro Power

People have been tapping the energy in flowing water for centuries, first for mechanical power, and, in the last hundred years, for electricity. Early applications included milling, pumping, and driving machinery. Unlike wind and sun, the right hydro resource can be available 24 hours a day, 365 days a year. This allowed pioneers to run [...]



## Azito Power Plant Expansion, Abidjan, Côte d'Ivoire

Azito power plant's phase four expansion details. The 253MW new combined-cycle unit being built on the existing plant site will comprise a GT13E2 gas turbine, one heat recovery steam generator (HRSG) with bypass stack, one double pressure steam turbine generator, one air-cooled

condenser and associated systems supplied by General Electric (GE).



## Alstom to service gas turbines in the Ivory Coast and Jordan

The plant provides 288 MW of electric power to the grid and accounts for approximately 35 % of the total electricity production in the Ivory Coast. For the Samra III power plant, owned by Samra Electric Power Co., Alstom has already provided two GT13E2 gas turbines and will commission the third turbine, generator and auxiliaries by summer 2013.



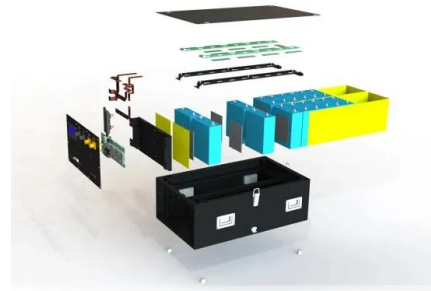
## UAV Turbines, Inc. Launches a Compact Turbogenerator ...

Turbogenerator Redefining Portable Power Use  
The turbogenerator platform brings a new class of micro gas-turbine generators to the market. February 19, 2020 09:30 AM Eastern Standard Time UAV Turbines announced the launch of its lightweight, military-grade microturbine generator platform for on-demand electrical power ranging from 3kW to 40kW.

## Atinkou power station

This power station is equipped with a Siemens SGT-4000F turbine, capable of burning up to 30% Hydrogen as part of its mix of fuels. The project is estimated to generate up to 2875 GWh of

electricity annually to power approximately one million homes.



## Development of a Micro Gas Turbine For Electric Power ...

This system consists of a compressor, combustion chamber, turbine, and generator. The turbine is a single-stage axial impulse turbine with a rotor diameter of 10 mm, made of stainless steel using



## Cleaner, Quieter, Primary Power

12kW Micro Turbine Genset (MTG). Reinventing the diesel genset for telecom tower power. 12kW Micro Turbine Genset (MTG). Generator Power. Remote island based offgrid site - 12 months maintenance free running. Bladon MTG Specification Brochure. The Bladon Micro Turbine Genset is no ordinary genset. It shares some characteristics with



## Alstom to service GT13E2 gas turbines in the Ivory Coast and ...

The contract for the Azito power plant in the Ivory Coast covers a 15 year period and includes the delivery of spare parts, reconditioning services and inspection supervision for the gas



turbines and generators. mso-bidi-font-family:Arial">The Azito power plant, owned by Azito Energie S.A., consists of two GT13E2 gas turbines operating in

## Power plant profile: Azito CCGT Power Plant, Ivory Coast

Azito CCGT Power Plant (Azito CCGT Power Plant Phase IV) is equipped with GE Power gas turbine. The phase consists of 1 gas turbine with 170MW nameplate capacity. GE Power supplied electric generator for the Azito CCGT Power Plant ...



## Azito Power Plant Expansion, Abidjan, Côte d'Ivoire

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