



# YEARBOOK 2024



**Nachtigal**, at the heart of Cameroon's sustainable development

« 2024 was an outstanding year; a luminous one »



As we turn the pages of 2024 together, it is with immense pleasure that I reflect on the key milestones that marked the life of the Nachtigal project and NHPC over the past twelve months.

2024 was an outstanding year; a luminous one indeed, as we commissioned 5 of the 7 units of the Nachtigal hydroelectric facility. By contributing to 300MW to the power grid at the end of December, we have significantly strengthened Cameroon's energy capacity.

We conclude the year with the project 98% complete with only minor works left before we reach our ultimate goal: the full commissioning of the entire facility.

In addition to this achievement, we have honored our commitments in the environmental and social domains. Notably, we carried out various actions in the project area, including :

- implementation of the fishery development plan,
- construction and equipment of vocational training centers,
- organization of medical care campaigns,
- support for young people, women and micro-project entrepreneurs.

We can confidently say that we have made a significant contribution to the socio-economic development of the Nachtigal project area, and by extension of Cameroon.

These remarkable achievements in industrial, environmental and social spheres earned us the prestigious “Best Energy Project in Natural Resources” award presented by the Africa Investments Forum & Awards in Paris this November. Receiving such an international distinction is a great honor and a well-deserved recognition for NHPC and all the partners dedicated to the success of this important project.

2024 was certainly a year full of successes, but the challenges did not lack. Like in previous years, we had to show resilience and determination. Fortunately, we received constant support from our partners, including our shareholders, lenders, contractors and subcontractors, and most importantly the government of Cameroon, to whom I would like to express my sincere thanks.

We will continue to work tirelessly to live up to the trust they have placed in us and to make NHPC a **high-performing and responsible hydropower company in Cameroon**.

Indeed, with the transition to the operational phase, our priorities will now focus on:

- **performance**, as we will need to ensure an availability rate of over 92% for our generating units, while maintaining a high level of hydraulic safety, health and safety at all times, and fostering continuous improvement across all our teams;
- **responsibility**, first towards the environment by pursuing our efforts to preserve biodiversity and limit greenhouse gas emissions, then towards local communities by strengthening our CSR actions in the Nachtigal hydroelectric facility area, and finally towards the women and men of NHPC, ensuring the development of their skills to build a stronger pool of local talent for future major industrial projects in Cameroon.

As you can see, 2025 promises to be even brighter and full of energy! Let's continue to write this beautiful story together.

On behalf of Nachtigal Hydro Power Company, I would like to wish you all a very happy and luminous 2025!

Vincent LEROUX  
Managing Director





# Nachtigal, at the heart of Cameroon's sustainable development

NUMBER 176

NHPC NEWSLETTER

17 JANUARY 2024

## NHPC supports economic micro-project owners in the project area

### 500,000 CFA francs to start their projects

As part of its Economic Local Development Action Plan, NHPC has provided financial support to 12 economic micro-project owners in the Nachtigal project area in the following areas:

- chickens and pigs breeding;
- creation of cocoa, plantain, banana and yam plantations;
- creation of fish ponds;
- chairs rental;
- shoes sale.

With a value of 500,000 CFA francs per person, this support is intended to help beneficiaries to start projects that will enable them to meet the needs of their families on the one hand and contribute to their socio-economic development on the other.



*Picture of Thomas DOURWE's chicken farm in Batchenga, a beneficiary of NHPC's support*



*Picture of a beneficiary in front of the cocoa plants to be planted in his plantation*



*Picture of a beneficiary at his pig farm*

### Towards socio-economic development

This support from NHPC is part of the concrete actions that the company is carrying out to improve the living conditions of the Nachtigal project area's populations through income-generating activities.

For example, Thomas DOURWE, a Batchenga's resident, started his chicken farm with 225 individuals, which he was able to sell during the end-of-year festivities in 2023, for the benefit of local households.

"Thanks to this project and the financial support I received from NHPC, I am able to feed my family, pay for my daughter's school fees and provide for our needs. My business is flourishing, and I am now financially independent. NHPC's support has enabled me to think bigger; I'm thinking of expanding my farm." he says.



## Nachtigal, at the heart of Cameroon's sustainable development

NUMBER 177

NHPC NEWSLETTER

18 JANUARY 2024

### IFC's Regional Vice-President for Africa visits Nachtigal site

#### Nachtigal's project progress and environmental and social achievements presented to IFC

On an official visit in Cameroon from the 15<sup>th</sup> to the 19<sup>th</sup> of January 2024, Sergio Pimenta, IFC's Regional Vice President for Africa has visited the Nachtigal hydroelectric facility on the 19<sup>th</sup> of January 2024, at the invitation of the EDF Group - the project's main shareholder - represented by its Senior Vice President in charge of Africa, Middle East and East Mediterranean, Valérie Levkov.

The program of the visit, which was carried out in the presence of NHPC's Managing Director and a large delegation from IFC and the World Bank, featured:

- a general presentation of the Nachtigal project, with a focus on NHPC's environmental and social achievements, inspired by the best international practices, particularly the IFC's sustainability performance standards;
- a visit of the construction works with two main stops: the upstream works and the water intake.

This visit was the occasion for the Vice-President to assess the construction works' progress, completed at 92% at the end of December 2023, and to highlight the importance of this project for IFC and for the country's electricity sector.

As a reminder, once commissioned, the Nachtigal project will contribute to 30% of Cameroon's electricity needs with a green, available and affordable energy.



*Family photo in front of the penstocks*



#### IFC, a key partner for Nachtigal

The International Finance Corporation, a member of the World Bank Group, is the leading development institution focused on the private sector in emerging countries. Its involvement in the Nachtigal project is twofold:

- as a shareholder of NHPC by 20%
- as a lender with a 110 millions of euros, alongside other developing financing institutions that finance the project.





## *Nachtigal*, at the heart of Cameroon's sustainable development

NUMBER 178

NHPC NEWSLETTER

1 FEBRUARY 2024

### The Nachtigal fishery management plan's implementation started

#### Fishery governance strategy on the agenda

NHPC started the implementation of the Nachtigal fishery management plan's measures. This implementation will be done in several stages, the first of which is to define a strategy for the sustainable governance of the fishery with the stakeholders involved. It is a key reference that will set out the terms and conditions of the fishery's use, monitoring and control, as well as the complaints management mechanism.

#### Stakeholders fully involved in the process

In accordance with its participatory approach, NHPC launched consultation meetings on the 25<sup>th</sup> of January 2024 with all stakeholders affected by the fishery management plan. The 248 stakeholders include fishermen, fishmongers, administrative and traditional authorities from the project area, civil society organizations and representatives from the Ministries of Livestock, Fisheries and Animal Industries (MINEPIA), Agriculture and Rural Development (MINADER) and Defence (MINDEF).

Meetings are taking place in Batchenga, Ntui and Mbandjock localities and will run until the 29<sup>th</sup> of February 2024, with the aim of gathering ideas from everyone to define a strategy that can both meet fishermen, fishmongers and riverside communities needs and guarantee the sustainability of the fisheries resources of the Nachtigal's reservoir.



*Stakeholder consultation meetings on the fisheries management plan*



*Reflection group on the sustainable fishery resources strategy*

#### About the Nachtigal fishery management plan

It is a plan proposed by NHPC and validated at the national level in June 2023, which involves the creation of a fishing stock in the Nachtigal reservoir. The aim of the plan is to restore fishermen's and fishmongers' livelihoods affected by the Nachtigal project, on the one hand, and the governance of fishery resources in the reservoir, on the other. It is the first of its kind in Cameroon and Central Africa.





# Nachtigal, at the heart of Cameroon's sustainable development

NUMBER 179

NHPC NEWSLETTER

07 FEBRUARY 2024

## NHPC increases awareness among fishermen about restricted area's respect

### No to intrusions into Nachtigal's restricted area

As part of its water safety commitments, NHPC, in collaboration with the Ministry of Defence (MINDEF), regularly carries out monitoring missions to identify intrusions into the restricted area of the Nachtigal project's public utility zone.

The last mission was carried out on the 5<sup>th</sup> of February and provided an opportunity to increase awareness among fishermen and local residents on the risks inherent to the water body. This awareness-raising was facilitated by a fisherman identified a few weeks earlier who agreed to draw the attention of his colleagues to the dangers to which they are exposed, particularly in the event of a sudden rise in the water level.

This inclusive awareness-raising approach consolidates the prevention measures already deployed by NHPC, including vigilance committees, the installation of warning signs, buoys delimiting the reservoir and warning sirens, and many other actions.



*Information board on hydraulic safety risks*



*Raising awareness among people working in the DUP area*

### Safety issues, but also biodiversity

In addition to the risk of drowning in the event of a sudden rise in the water level, people's intrusion and fishing activities in the restricted area pose another problem: the preservation of biodiversity, to which NHPC is very attentive.

Since the dam's impoundment, fishes have been found in the reservoir and fishing is prohibited until the launch of the fishery planned by NHPC. This prohibition has been put in place to ensure the sustainability of the fish resources in the Nachtigal reservoir.





## Nachtigal, at the heart of Cameroon's sustainable development

NUMBER 180

NHPC NEWSLETTER

16 FEBRUARY 2024

### Nachtigal: the tailrace now impounded



*Aerial view of the Nachtigal tailrace*

#### The tailrace's tightness tested

An important stage of the Nachtigal project has been completed with the filling of the tailrace. The purpose of this operation, which began on the 3<sup>rd</sup> of February 2024, was to verify the watertightness of the downstream cofferdams and to ensure that the water from the plant flows back into the Sanaga's natural bed.

The filling was carried out by pumping water from downstream of the earthen cofferdam and sequenced in five distinct phases involving auscultation measurements and visual examinations to ensure the safety of people and structures.

This operation is part of Nachtigal's Unit N°1 commissioning tests which started in December 2023.

#### About the Nachtigal tailrace

A dam's tailrace is the channel that receives and discharges the water that passes through a turbine. Nachtigal's tailrace is approximately 800m long. It has a trapezoidal shape and includes, among other things :

- a 40cm-thick concrete slab 7m wide;
- anchors of 25mm in diameter and 2m long to ensure the stability of the 8.32 x 8.92m panels in the running section, spaced with 2cm expansion joints;
- sub-vertical slopes anchored and protected by shotcrete.



# Nachtigal, at the heart of Cameroon's sustainable development

NUMBER 181

NHPC NEWSLETTER

21 FEBRUARY 2024

## NHPC organizes the first community consultation forums of the year

### Populations fully involved in Nachtigal project's implementation

Since 14 February 2024, 250 people from 12 villages in the Nachtigal project area have been gathered to participate to the community consultation forums organized by NHPC.

These meetings that last a week are an opportunity to inform them about the progress of the Nachtigal project and the environmental and social achievements of NHPC and to collect their opinions on the implementation of the project.

Each forum brings together the village chief, a village elder, a women's representative, a youth representative, a representative of associations, and four people affected by the project (a sand worker, a farmer, a fisherman and a fishmonger) in such a way that all project stakeholders are represented.

### A participatory communication approach

The organization of community consultation forums is part of the Nachtigal's stakeholder engagement plan and aims to foster a constructive and continuous dialogue with the communities of the project area.

This is a powerful outreach communication approach that NHPC has been implementing since 2022 with nearly 50 forums already held. This approach not only allows the populations to contribute to the project's life, but also helps NHPC to reinforce its local integration in the project area.



Community consultation forums





# Nachtigal, at the heart of Cameroon's sustainable development

NUMBER 182

NHPC NEWSLETTER

27 FEBRUARY 2024

## NHPC's second participation to PROMOTE: a winning bet!

### Visitors immersed in the Nachtigal project

NHPC took part in the 9<sup>th</sup> edition of the International Business, SMEs and Partnership Exhibition called PROMOTE, which was held at the Yaoundé Convention Centre from the 17<sup>th</sup> to the 25<sup>th</sup> February 2024.

Located in the Water and Energy village, NHPC's stand welcomed more than 2,500 visitors from a wide range of backgrounds, who came to find out more about the Nachtigal project.

For this edition, NHPC's visitors were invited to immerse at the heart of the Nachtigal project. To achieve this, the company relied on the Nachtigal hydroelectric facility's animated scale model, relics and photos illustrating the project's environmental and social ambitions, film screening and a virtual tour of the site using virtual reality headsets.

### A new communication challenge

The company's second participation in PROMOTE, after 2022, was the perfect occasion to promote the Nachtigal project in both its industrial, environmental and social ambitions. The company took this opportunity to answer visitors' questions, particularly those relating to the project schedule.

Once commissioned, Nachtigal's hydroelectric facility will generate 420MW of low-carbon energy to meet 30% of the country's energy needs.

At the end of January 2024, 92% of the construction works were completed. Completion of the project is scheduled for the end of 2024, with gradual commissioning of the facility's 7 generating units throughout the year.



Images from NHPC's stand at PROMOTE 2024





# Nachtigal, at the heart of Cameroon's sustainable development

NUMBER 183

NHPC NEWSLETTER

6 MARCH 2024

## NHPC sponsors MADIBA 2024 Festival

### Nachtigal moves to the banks of the Wouri river

As a responsible company, NHPC supports projects and initiatives that benefit Cameroon. Accordingly, the company sponsored the 6<sup>th</sup> edition of the MADIBA Festival on the 3<sup>rd</sup> of March 2024 alongside other renowned companies such as Total Energies, Orange, Dangote Cement, etc.

Organized since 2019 at Siga Bonjo, on the banks of the Wouri River, the MADIBA Festival is an annual celebration of the cultural and tourism heritage of the Sawa region. It is the very first festival in which NHPC partakes outside the project area; this is to reaffirm its desire to be recognized as a major stakeholder in Cameroon's sustainable development.

NHPC hosted a stand where participants immersed themselves in the heart of the Nachtigal project through a virtual tour of the construction site using virtual reality headsets and an exhibition of the company's environmental and social achievements.

### Visit of the Water Museum and experience sharing

NHPC took advantage of its stay in Siga Bonjo to visit the Water Museum on the 2<sup>nd</sup> of March 2024 and share experiences with its managers.

Created in 2019 at the initiative of the Bonanja Siga Bonjo Traditional Chief, Mr Narcisse Mouelle Kombi, the Water Museum is dedicated to Sawa culture, through the prism of water, and shows its importance in the life and culture of the Sawa: customs and traditions, but also food, beauty and social life.

It could be an inspiring concept for NHPC, who is planning in the long run to build a museum in the Nachtigal project area.



NHPC at the MADIBA 2024 Festival



Visit of the Water Museum





*Nachtigal, at the heart of Cameroon's sustainable development*

**NHPC celebrates its women**

**Sharing know-how among women**

Once again this year, NHPC joined the international community in the celebration of the 39<sup>th</sup> International Women's Rights Day on the 8<sup>th</sup> of March 2024 under the theme: "Investing in women: accelerating the pace".

For this edition, NHPC women, known as the Amazons, gathered at the Nachtigal Camp in Batchenga, where they conducted practical workshops on cervical cancer prevention, baby and child first aid and the fundamentals of dermo-cosmetics, tailoring and knitting.

The main objectives of these workshops were to share know-how among women and to promote neglected professions that contribute to women empowerment.

For NHPC, International Women's Rights Day is another opportunity to celebrate the 43 women in its workforce, whose value is rightly recognized. In fact, 3 of them sit on the company's Executive Committee and several hold managing positions.



*Some pictures of the international women's rights day celebration at NHPC*





# Nachtigal, at the heart of Cameroon's sustainable development

NUMBER 185

NHPC NEWSLETTER

14 MARCH 2024

## NHPC supports women of the Nachtigal project area

### More than 19 million CFA francs to support women

As part of its Local Economic Development Action Plan, women of the Nachtigal project area received from NHPC an important donation of 1,600 chairs, 16 tents with 100 seats each, 4 fresh and dry produce mills, 2 huts to house the mills and 2 electricity subscriptions, from the 6<sup>th</sup> to the 8<sup>th</sup> of March 2024.

This major donation, worth more than 19 million CFA francs covers 10 villages in the project area and aims to enable women to set up new income-generating activities that will help to improve the living conditions of local people in the Nachtigal project area.

### Women's economic empowerment: a high concern

This donation, which comes during International Women's Rights Day 2024, is another opportunity for NHPC to reaffirm its ambition to contribute to the development and economic empowerment of women.

This is not NHPC's first action of this kind. In July 2023, 400 chairs were donated to the women of Batchenga's network of women's associations and businesses (REAFEBBA) to enable them to generate income to improve their living conditions.



*Pictures of NHPC's gift to women in the project area*





# Nachtigal, at the heart of Cameroon's sustainable development

NUMBER 186

NHPC NEWSLETTER

19 MARCH 2024

## Nachtigal's transformer substation is energized



*Aerial view of Nachtigal's substation*

### Concluding energizing tests

NHPC has successfully carried out the power-up tests on Nachtigal's transformer substation at the end of February 2024. The purpose of the said tests was to test the dielectric of the substation equipment as well as the functioning of the two 225KV lines and the substation's busbar.

The tests went well and got approved by SONATREL that delivered an energization certificate on March 14.

The issuance of this certificate, which attests to the proper functioning of the energy transmission infrastructure between Nachtigal's plant and its connection substation in Nyom 2, is a prerequisite for the commissioning of Unit N°1 with a capacity of 60MW in the upcoming weeks.

### About Nachtigal's transformer substation

Nachtigal's substation distributes the energy produced by the power plant to the Cameroonian transmission grid through 2 225kV lines.

It is made up of:

- group disconnectors and bar switches;
- 7 circuit breakers (one per group);
- busbars;
- measuring reducers;
- an electrical protection system;
- etc.



## Nachtigal, au cœur du développement durable du Cameroun

NUMBER 187

NHPC NEWSLETTER

21 MARCH 2024

### Successful first turns of runner at Nachtigal

#### First turns of runner: a crucial test

On the 19<sup>th</sup> of March 2024, water flowed for the very first time through the penstock and turned the first turbine: it was the first turns of runner.

The purpose of this operation, which represents a significant stage in the commissioning tests of Unit N°1 of the Nachtigal hydroelectric facility is to test the correct assembly of the runner, alternator, shaft and their environment.

The first turns lasted 5 minutes and were conclusive. The speed reached 19 revolutions per minute (for 135 nominal revolutions per minute). Further tests will be carried out over the next few days at higher speeds and for longer periods.

After these tests, Unit N°1 will be connected to the electricity grid.



*Rotor rings excitation*



*Turbine shaft*

#### What do the first turns of runner involve?

The first turns of runner involve a series of preliminary checks and actions, including:

- manual starting of the control pump;
- manual control of the braking system;
- acquisition of gate speed;
- opening and closing signals;
- detection of the presence of abnormal noise around the turbine and alternator;
- monitoring bearing temperatures;
- verification of the free rotation of the assembly.





## Nachtigal, at the heart of Cameroon's sustainable development

NUMBER 188

NHPC NEWSLETTER

5 APRIL 2024

### Hydrometric data monitoring operations on the Sanaga have started



*Pictures of hydrometric data monitoring equipment*

#### Anticipating water variations and controlling electricity production

In May 2023, NHPC had provided ENEO with hydrometric data monitoring equipment, in accordance with the agreement between the 2 companies for the Sanaga's hydrological monitoring : ADCP River Surveyor M9 acoustic profiler, DGPS positioning radio, Hydroboard II Max floating platform and TELE-OPERE T1 trimaran for ADCP sensor.

From the 26<sup>th</sup> to the 27<sup>th</sup> of March, respectively in Nanga Eboko and Mbandjock, those equipment were used for the first time by ENEO for data monitoring operations on the Sanaga river.

The purpose of these operations is for NHPC to anticipate variations in the river's water flow and control its future electricity production, and for ENEO to coordinate the release of water from the reservoir dams upstream of Nachtigal.

#### What does the Sanaga hydrological monitoring involve?

Carried out during several seasons, the Sanaga's hydrological monitoring consists of calculating the height and shape of the river, as well as the water velocity at specific points. This enables the river's flow to be calibrated and monitored, as well as the availability of water during flood or low-water periods.

For the Nachtigal project, data will be collected over a period of 2 years, at the end of which calibration curves will be delivered showing the correlation between the coast and the flow of water in the Sanaga river.



## NHPC donates MINEPDED a vehicle



*Pictures of the vehicle handover ceremony*

### Support to facilitate the Environmental and Social Management Plan's monitoring

On the 8<sup>th</sup> of April, NHPC has donated a 4x4 pick-up vehicle to the Ministry of the Environment, Nature Protection and Sustainable Development (MINEPDED).

This donation, which is part of the agreement signed between NHPC and MINEPDED in January 2023 will be used to facilitate the missions carried out by MINEPDED teams for the administrative and technical monitoring of Nachtigal hydroelectric facility's Environmental and Social Management Plan.

This is a commitment NHPC made and honored by NHPC which strives to make the Nachtigal project a reference in terms of environmental and social impact management in Cameroon.

### About the agreement signed between NHPC and MINEPDED

The agreement signed between NHPC and MINEPDED aims to mitigate the negative environmental and social impacts of the Nachtigal project on the one hand, and to enhance the positive impacts of the project on natural resources and host environments on the other hand.

The main areas of collaboration of the agreement concern:

- the implementation of the Environmental and Social Management Plan's activities;
- the environmental monitoring for the protection of natural resources and the preservation of host environments ;
- the monitoring of the implementation of the environmental and social prescriptions of the Nachtigal project.





# Nachtigal, at the heart of Cameroon's sustainable development

NUMBER 190

NHPC NEWSLETTER

16 APRIL 2024

## NHPC organizes a masterclass on local economic development action plan

### A company committed to youth training

Since its creation, NHPC has been attracting and welcoming young talents from Cameroon; it is also a company that shares its know-how. More than 300 students have benefited from shared experience in civil, mechanical and electrical engineering fields since the opening of the Nachtigal Public Information Center.

On the 12<sup>th</sup> of April 2024, it was the turn of 24 other level 4 students from the Obala Higher Institute of Agriculture and Management (ISAGO) to benefit from this experience-sharing during a masterclass dedicated to local economic development action plan.

### Sharing both theory and practice experience

The local economic development action plan is a tool used in large-scale projects to support the economy and improve local infrastructure in the project area.

The masterclass organized by NHPC consisted in presenting Nachtigal's local economic development action plan to the students, including:

- a presentation of its origin, context, content, intervention strategy and budget;
- a visit of 3 concrete achievements realized within the framework of the said plan, namely Minkouma village that was recently connected to the local electricity network, and a classroom and a community center built in Mbandjock;
- a discussion with Minkouma's village chief as one of the beneficiaries.

NHPC also offered the students a tour of Nachtigal's site whose works are over 93% complete at the end of March.



*ISAGO students who took part in the masterclass*



## Nachtigal, at the heart of Cameroon's sustainable development

NUMBER 191

NHPC NEWSLETTER

18 APRIL 2024

### Nachtigal's last stator successfully installed



*Nachtigal's last stator installation's pictures*

#### Electromechanical works: a new step forward!

On the 15<sup>th</sup> of April 2024, significant progress was made on the Nachtigal construction site with the lowering and installation of the last stator of Nachtigal's hydroelectric facility, i.e. stator N°7 into Unit N°7's alternator shaft.

This successful operation, carried out by Elecnor - General Electric consortium in charge of Nachtigal project's electromechanical works, took 6 months to put together and adjust the stator components on the dedicated secondary assembly platform, and to handle this 135 tons component .

With this operation, NHPC is moving closer to the electromechanical works completion. The next steps include lowering Unit N°7's rotor in the next few days and assembling the crosshead and upper bearing in the shaft, aligning the shaft of the axial valve and the alternator's electrical and mechanical auxiliaries.

#### About the stator

The stator is the fixed part of the alternator which acts as an armature. It is made up of a laminated core, coils of insulated wire (or bars) called windings, and permanent magnets or electromagnets. When alternating current is applied to the terminals of the rotor (the inductor). It induces a variable rotating magnetic field that sweeps across the stator windings, creating induced alternating electric currents. These induced currents are recovered at the alternator terminals and made available to the electricity grid.

The characteristics of Nachtigal units' stators are as follows:

- magnetic circuit bore diameter: 8m;
- magnetic circuit height: 1 200 mm;
- total number of slots: 396;
- total number of slot and bore bottom bars: 792;
- total weight of assembled stator: 135 tons;
- frame height: 2 932 mm.





## *Nachtigal*, at the heart of Cameroon's sustainable development

NUMBER 192

NHPC NEWSLETTER

2 MAY 2024

### **NHPC offers improved agricultural seeds to people affected by the project**

#### **Improving NHPC's support to PAPs**

As part of the Nachtigal project's Resettlement Action Plan, improved seeds are to be provided to people affected by the project (PAPs) who have been affected by areas over or equal to 1,000 m<sup>2</sup>. For the 2024 agricultural campaign, 181 PAPs in dam, transmission line and housing estate zones benefited from a donation of improved agricultural seeds worth 27,820,220 FCFA, in April 2024, provided by the Agricultural Research and Development Institute (IRAD).

Made up of cocoa, banana, basil, tomato, nightshade, celery and lettuce, these seeds were identified by the PAPs during field interviews conducted by NHPC's Environmental and Social Department teams, with the aim of improving the company's support for people affected by the project.

In accordance with the agricultural schedule, these beneficiary PAPs directly planted their seeds and will benefit from technical monitoring to help them obtain maximum benefit from these seeds.



*Cocoa plants planted by a beneficiary PAP*

#### **About the Resettlement Action Plan**

The Nachtigal project's Resettlement Action Plan is a document drawn up following various surveys and inventories carried out in the project area, which proposes individual compensation measures in the form of land replacement, crop compensation and support for the development of local fisheries, as well as community compensation measures for the loss of community resources.



*Pictures of seeds offered to PAPs*



## Nachtigal, at the heart of Cameroon's sustainable development

NUMBER 193

NHPC NEWSLETTER

14 MAY 2024

### NHPC injects Nachtigal's first megawatt-hours into the power grid



*Photos of the connection and synchronization ceremony of the Nachtigal's Unit N°1 to the power grid*

#### Unit N°1 successfully synchronized to the grid

On the 10<sup>th</sup> of May 2024, NHPC successfully connected and synchronized Nachtigal hydroelectric facility's Unit N°1 to the Southern Interconnected Grid. This is a major milestone for the Nachtigal project, as it marks the injection of its first megawatt-hours into the grid.

"The operation follows a series of conclusive works and tests, which were sanctioned by certificates issued by the experts appointed for this purpose". These were the words spoken by the Minister of Energy and Water Resources, who activated the synchronization button in the Nachtigal production plant's control room during a ceremony attended by the Minister of Finance, the Minister of Economy, Planning and Regional Development, the Ambassador of Spain, the main actors of the energy sector (ENEQ, SONATREL, ARSEL, EDC), the local administrative and traditional authorities, and representatives of the World Bank.

#### A significant milestone reached

The 10<sup>th</sup> of May's operation consisted in synchronizing the electrical parameters of Unit N°1's alternator with the ones of the Southern Interconnected Grid, closing the circuit-breaker that connects the Unit to SONATREL's transmission grid, thus marking their connection, and supplying the grid with the first megawatt-hours produced by Nachtigal.

This is a significant milestone for the Nachtigal project, which was 94% complete at the end of April and is nearing completion.

Unit N°1 will be officially commissioned in the next few weeks, and the 6 remaining units will be gradually commissioned over the upcoming months, with the goal of delivering the entire Nachtigal hydroelectric facility by December 2024.

Once commissioned, Nachtigal will supply 420MW, covering 30% of Cameroon's energy needs.





# Nachtigal, at the heart of Cameroon's sustainable development

NUMBER 194

NHPC NEWSLETTER

29 MAY 2024

## NHPC rewards the Nachtigal project area's cleanest schools



*Prize received by St Tobie's Catholic School, Obala*

### 12 primary schools in the Nachtigal project area rewarded

On the 16<sup>th</sup> of May 2024, 12 primary schools of the Nachtigal project area (Ntui, Mbandjock, Obala and Batchenga) received the cleanest school competition's prize, launched by NHPC in partnership with the local NGO Care and Health Program (CHP).

With the support of school inspectors and those in charge of post and extra-curricular activities, these schools were selected according to predefined criteria such as toilets maintenance, protected drinking water points, clean clothes and shoes worn by pupils and environmental cleanliness.

The prizes included cleaning materials such as large dustbins, wheelbarrows, shovels, rakes, buckets, brooms and mops.

### NHPC's Community Health Plan fully implemented

This competition is part of NHPC's Community Health Plan and aims to promote health and hygiene in schools.

The plan includes several other awareness-raising activities in the Nachtigal project area on various topics such as:

- gender-based violence;
- parasitic diseases;
- vector-related nuisance;
- psychoactive substances consumption;
- first aid;
- road safety.



## Nachtigal, au cœur du développement durable du Cameroun

NUMBER 195

NHPC NEWSLETTER

3 JUNE 2024

### Nachtigal welcomes participants of the African Railway Digital Congress

#### Nachtigal, a catalyst project for the digital industry

Cameroon hosted the 3<sup>rd</sup> African Railway Digital Congress from May 28<sup>th</sup> to 30<sup>th</sup> 2024, with the last day being dedicated to a site visit of the Nachtigal project.

Led by the CEO of CAMRAIL, a large delegation of international railway experts visited the Nachtigal construction site on Thursday, May 30<sup>th</sup>. The day's agenda included:

- a general presentation of the Nachtigal project, its institutional and financial structure, as well as its industrial, environmental, and social ambitions;
- an overview of the partnership agreement between NHPC and CAMRAIL;
- a visit to the dam, the headrace canal, and the water intake.

This visit gave the participants the opportunity to appreciate the works' progress, which are 94% complete, and to discuss the potential for digitalizing the railway network in Cameroon in a near future.

#### NHPC and CAMRAIL, a long-standing collaboration

NHPC and CAMRAIL signed a partnership agreement in May 2020 for the construction, operation, and maintenance of certain infrastructures of the existing railway line that crosses the Nachtigal hydroelectric project site.

Beyond this agreement, the two entities are considering expanding their collaboration. CAMRAIL, in particular, wishes to involve NHPC in its future safety days in order to share experiences on common areas of interest.



*Family picture of the visitors at the water intake*



*Presentation of the upstream works*



*Presentation of the project by NHPC's Deputy Managing Director*





## *Nachtigal, at the heart of Cameroon's sustainable development*

NUMBER 196

NHPC NEWSLETTER

5 JUNE 2024

### **NHPC strengthens Mpem and Djim National Park's eco-guards' skills**

#### **Improving the Mpem and Djim National Park's protection : from theory to practice**

From the 23<sup>rd</sup> to the 29<sup>th</sup> of May 2024, Mpem and Djim National Park's eco-guards benefited from a training as part of NHPC's technical and financial support to the Park's biodiversity conservation actions.

Delivered by BRLI, a French consultancy firm recruited by NHPC for the purpose, the training aimed to strengthen the eco-guards' skills to improve the conservation of this park, known for its incredible flora and fauna. It took place in 2 phases:

- a theoretical phase at the Ngoro city hall;
- a practical phase in the western part of the Park.

The training topics included ecological monitoring, use of communication tools, community conservation and conflict management.

#### **Sustainable support for the Mpem and Djim National Park's protection**

As an eco-responsible company, NHPC is committed to the protection of the environment and biodiversity conservation in the Nachtigal project area. To this end, the company is working closely with the Ministry of Forests and Fauna (MINFOF) on a support program for the Mpem & Djim National Park that aims to offset the environmental impacts of the Nachtigal project.

This program is part of a Memorandum of Understanding signed by both structures since September 2018.



*Photos of the theoretical and practical phases of the training given to eco-guards*



*Aerial view of the Mpem and Djim National Park*





*Nachtigal, at the heart of Cameroon's sustainable development*

## Nachtigal Unit N°1's Demonstrative Global Capacity Certificate signed



*A few images of the Demonstrative Global Capacity Certificate's signing ceremony*

### Nachtigal's Unit N°1 officially commissioned

On the 14<sup>th</sup> of June 2024, the Nachtigal hydroelectric facility Unit N°1's Demonstrative Global Capacity Certificate was officially signed by the Managing Directors of NHPC, SONATREL and ENEO, main actors in Cameroon's electricity sector. The ceremony was held in the presence of the Water and Energy Minister (MINEE) and technical and financial partners.

The signing of this certificate marks the official commissioning of Nachtigal's Unit N°1 (60MW), as announced, one month after it was synchronized and connected to the Southern Interconnected Grid, enabling the injection of its first megawatt-hours into the grid.

### Nachtigal, construction works making good progress

The signing of the Nachtigal hydroelectric facility Unit N°1's Demonstrative Global Capacity Certificate represents a significant step forward for the Nachtigal project, which was 94.5% completed at the end of May.

NHPC remains committed to deliver the entire Nachtigal hydroelectric facility by December 2024. Works continue to this end, to ensure the gradual commissioning of the facility's remaining 6 units over the upcoming months.

Once commissioned, Nachtigal will supply 420MW, covering 30% of Cameroon's energy needs. The energy produced by Nachtigal will be transported by SONATREL and distributed by ENEO.





## *Nachtigal, at the heart of Cameroon's sustainable development*

NUMBER 198

NHPC NEWSLETTER

21 JUNE 2024

### The Grand Inga Project Development and Promotion Agency on a visit tour at Nachtigal



*Images of the ADPI-RDC visit to the Nachtigal construction site*

#### Immersion in the Nachtigal project

The Grand Inga Project Development and Promotion Agency (ADPI-RDC), on a tour in Cameroon, visited the Nachtigal hydroelectric facility on the 19<sup>th</sup> of June 2024.

The visit, led by NHPC's Operations Director, included two stops : the main dam and the Nachtigal plant.

For the ADPI-RDC, the visit was an immersion in the Nachtigal project, considered as a reference in the sub-Saharan African energy sector both in industrial, environmental and social aspects. It was an opportunity for NHPC to share the expertise used to build the Nachtigal hydroelectric facility and its good practices in terms of supporting the Nachtigal project area's population and preserving the environment.

#### About ACPI-RDC and the Grand Inga project

Created in 2015 by a presidential decree, the Grand Inga Project Development and Promotion Agency (ACPI-RDC) is the specialized service within the Presidency of the Democratic Republic of Congo (DRC) to conduct the Grand Inga project.

Grand Inga is a series of hydroelectric dams in the lower Congo River. It has a 44,000MW hydroelectric potential, of which 1,775 MW have already been installed at Inga 1 and Inga 2.

It was in the context of the construction of the Inga 3 hydroelectric dam that representatives of the ACPI-RDC visited the Nachtigal construction site from which they came out rich in new ideas to pursue their project.



# Nachtigal, at the heart of Cameroon's sustainable development

NUMBER 199

NHPC NEWSLETTER

27 JUNE 2024

## NHPC strengthens MINEPDED staff's skills



*Workshop participants' family picture*

### Improving ESMP monitoring and follow-up

From the 13<sup>th</sup> to the 15<sup>th</sup> of June 2024, NHPC organized the second capacity building workshop for the Ministry of Environment, Nature Protection and Sustainable Development (MINEPDED) staff in charge of Environmental and Social Management Plans (ESMPs)'s administrative and technical supervision. It focused on the Certification of Compliance with Environmental Obligations (CCEO)'s inclusion impacts in the 2024 Finance Law on strengthening environmental protection.

The main purpose of the workshop was not only to provide participants with information on the Finance Act 2024 innovations relating to CCEO 's delivery in connection with the perspectives of strengthening environmental protection, but also to inform them on the various actions carried out by NHPC in the framework of stakeholder engagement, fisheries and biodiversity preservation.

### About the CCEO

The Certification of Compliance with Environmental Obligations (CCEO) is a document certifying compliance with environmental obligations by a project owner or a facility/establishment manager whose activities are subject to an environmental assessment.

At the end of the workshop, MINEPDED staff were able to take away specific tools to improve ESMPs monitoring and follow-up for projects that have undergone an environmental assessment in Cameroon and are subject to CCEO.

The Nachtigal project, which was awarded the CCEO on the 24<sup>th</sup> of November for the year 2023, and which carried out environmental and social impact studies prior to its launch, was used as a case study during the workshop.





## *Nachtigal, at the heart of Cameroon's sustainable development*

NUMBER 200

NHPC NEWSLETTER

24 JULY 2024

### **NHPC builds and equips RA/HECs's workshops in the Nachtigal project area**

#### **Support for the improvement of learning conditions in RA/HECs**

On the 24<sup>th</sup> of July 2024, NHPC's Managing Director officially handed over to the Minister of Employment and Vocational Training the keys of the workshops built and equipped by NHPC in Obala, Ntui and Mbandjock's (Rural Artisan/Home Economic Centers (RA/HECs).

The ceremony was held at Obala's RA/HEC and chaired by the Minister who personally inaugurated the automobile mechanics workshop built there, in the presence of the directors of the other beneficiary RA/HECs and the administrative authorities of their respective districts.

This donation from NHPC, worth around 300 million CFA francs aims to improve the learning conditions of the Nachtigal project area's students in fields such as automobile mechanics, wood and the clothing industry.

#### **Vocational training, a lever of local economic development**

This significant investment from NHPC is part of the partnership agreement signed with the Ministry of Employment and Vocational Training on the 16<sup>th</sup> of September 2021 to promote employment and strengthen the vocational training system in the RA/HECs located in the Nachtigal project area by improving infrastructures and providing equipment and teaching materials.

Through this action, NHPC is renewing its commitment to promote local economic development.



*The Managing Director of NHPC handing over the RA/HECs workshops keys to the Minister for Employment and Vocational Training*



*The Minister testing the automobile mechanical workshop equipment at Obala's RA/HEC*



*Picture of the RA/HEC clothing workshop in Ntui*



## Nachtigal, at the heart of Cameroon's sustainable development

NUMBER 201

NHPC NEWSLETTER

7 JULY 2024

### NHPC conducts the first experimental fishing in Nachtigal's future fishery



*Brycinus macrolepidotus and Clarias inventoried during the first experimental fisheries campaign*

#### Sharp and targeted biomonitoring of fishing in Nachtigal's reservoir

From the 19<sup>th</sup> to the 23<sup>th</sup> of July 2024, NHPC carried out its very first experimental fishing campaign within Nachtigal hydroelectric facility's fishing reservoir.

This operation was part of the implementation of Nachtigal's fishery management plan, especially its monitoring and control procedures, which involve reservoir biomonitoring.

This first experimental fishing, whose purpose was to identify and characterize the habitats and fish populations present in the reservoir, enabled the identification and analysis of 12 fish species.

The next steps before the effective opening of the fishery include practical training of fishermen, additional experimental fishing campaigns and the provision of fishermen with appropriate fishing equipment for the reservoir.

#### What is biomonitoring and why is it useful?

Biomonitoring is a set of methods used to characterize an environment's ecological status. With regards to Nachtigal's reservoir, it will enable to :

- facilitate the identification and distribution of fishing and breeding grounds in the reservoir;
- identify the biological recovery periods of species;
- identify the maximum fish potential within the reservoir.

It will take place over a period of 10 days, every quarter for 5 years, from 2024 to 2029, under the supervision of NHPC's fishing and biodiversity teams.

This is one of the means put in place by NHPC under Nachtigal fishery's sustainable governance strategy to ensure the availability of fishery resources and, consequently, the restoration of Nachtigal project's affected fishermen and fishmongers' livelihoods.





*Nachtigal, at the heart of Cameroon's sustainable development*

**NHPC commissions Nachtigal hydroelectric facility's Unit N°2**

**Additional 60MW injected into the grid**

An additional 60MW is available on the Southern Interconnected Grid since the 10<sup>th</sup> of August 2024, as a result of the commissioning of Nachtigal's hydroelectric facility's Unit N°2 .

This is an important new milestone for the Nachtigal project, whose works are progressing well, with a completion rate of 95.8% at the end of July.

Unit N°2 commissioning now brings the power generated by Nachtigal to 120MW. Teams remain fully committed to the next stage, which is the commissioning of Unit N°3, whose first wheel turns took place on the 9<sup>th</sup> of August, and the testing phase immediately got under way.



*Partial view of one of the HMI's (Human Machine Interface) control screens*



*Unit N°2's photo*

**What does the commissioning process involve?**

The commissioning process of a production unit involves a long series of tests, including:

- preliminary tests including the unit's first wheel turns and individual tests on each of the unit's components;
- turbine water tests;
- load tests, with a gradual increase in speed and power, leading to the Unit's connection to the electricity grid;
- production tests alongside SONATREL and ENEO, leading to the signing of production and demonstrated capacity certificates.

This process lasts an average of 2 months, and its main objective is to make all the necessary adjustments and optimizations to ensure the unit's smooth operation, reliability and safety .



## Nachtigal, at the heart of Cameroon's sustainable development

NUMBER 203

NHPC NEWSLETTER

21 AUGUST 2024

### World Bank's Administrator for Cameroon visits Nachtigal's construction site

#### Nachtigal project's progress highlighted

On a working visit in Cameroon, Abdoul Salam BELLO, World Bank's Administrator for the Group Africa II, which includes Cameroon, visited the Nachtigal hydroelectric facility on the 20<sup>th</sup> of August 2024. He was accompanied by colleagues from the World Bank and the Ministry of the Economy, Planning and Regional Development.

During his visit led by NHPC's Deputy Managing Director, he was able to witness the progress of the Nachtigal project, completed at 95.8% at the end of July.

It was also an opportunity for NHPC to present the company's strong environmental and social ambition, implemented in accordance with the best international standards and IFC's performance standards on environmental and social sustainability.



*Project presentation at the Public Information Center*



*Photos of the site visit*

#### The World Bank, a strategic partner

The World Bank Group is involved in the Nachtigal project at several levels:

- through IFC (International Finance Corporation) as NHPC's shareholder by 20% and as a lender with an investment of €110 million;
- through IBRD (International Bank for Reconstruction and Development) as a guarantor;
- through MIGA (Multilateral Investment Guarantee Agency) as an insurer of several NHPC's shareholders.





# Nachtigal, at the heart of Cameroon's sustainable development

## NHPC pursues its fight program against onchocerciasis



### NHPC organizes its 3<sup>rd</sup> screening and treatment campaign against onchocerciasis

From July 8<sup>th</sup> to August 29<sup>th</sup>, 2024, 1,290 people (including 340 Nachtigal workers) were able to get tested and/or receive treatment for onchocerciasis during the screening and treatment campaign organized by NHPC in the districts of Batchenga, Obala, Mbandjock and Ntui.

This campaign is part of the Community Health Plan that the company has been deploying every year since 2022 in the Nachtigal project area.

These are free and open to all campaigns on a voluntary basis that have reached more than 4 700 people since their launch, including people affected by the project, vulnerable people in the project area, workers from the Nachtigal construction site and NHPC employees.

### The fight against onchocerciasis, a particular interest for NHPC

Found in people living or working near streams or rivers, onchocerciasis, also known as "river blindness", is a vector-borne disease that affects the eyes and the skin.

The fight against this disease is therefore of particular interest to the Nachtigal project which is being developed on the Sanaga River.

Onchocerciasis is not the only disease covered in NHPC's Community Health Plan. There are also HIV-AIDS, ophthalmological diseases, waterborne and parasitic diseases, sexually transmitted infections, which NHPC addresses through awareness-raising, screening and treatment campaigns in the Nachtigal project area.



*Nachtigal, at the heart of Cameroon's sustainable development*

NUMBER 205

NHPC NEWSLETTER

11 SEPTEMBER 2024

**NHPC continues to support young people in the Nachtigal project area**

**Football holiday championships organized in the Nachtigal project area**

For the fourth time since 2021, NHPC has sponsored the holiday football championships organized by the councils of the Nachtigal project area.

From July 27<sup>th</sup> to September 7<sup>th</sup>, 2024, the localities of Mbandjock, Batchenga, Ntui, Obala, Sa'a and Ebebda have each welcome their tournaments. From players to supporters, including administrative and traditional authorities, this major annual event mobilized more than 2000 people from the Nachtigal project area.

As an official sponsor, NHPC provided all the teams, their technical staff and referees with sports uniforms, provided all the sports equipment necessary for the organization of the matches (balls, whistles, stopwatches, refereeing cards, medals, trophies, etc.) and refreshments and promoted the championships through communication supports.



*Trophy handover to the winner of the Festy Foot Batchenga's championship in the presence of the deputy sub-divisional officer of Batchenga*

**Sport, a lever for the promotion of youth**

Sport, and specifically football, which is very popular in Cameroon, had been identified in socio-economic surveys carried out in 2019 as a vector of social cohesion. The sponsorship of the holiday football championships was then immediately included in the youth promotion program set up by NHPC as part of its Local Economic Development Action Plan ("PADEL" in French).

This program that was launched in 2021 and ends this year includes besides championships' organization other activities such as the construction of community centers to host social events, the financial or material support for youth associations and the support for socio-cultural events organized by the local populations.

Through the "PADEL", NHPC is committed to supporting young people in the Nachtigal project area and making them actors in the economic development of their respective territories.



*Final of Sa'a's Championship «Championnat de Redynamisation Sa'a 2024»*





## *Nachtigal, at the heart of Cameroon's sustainable development*

NUMBER 206

NHPC NEWSLETTER

19 SEPTEMBER 2024

### **The Minister of Energy and Water Resources confirms the commissioning of Unit N°3**

#### **Nachtigal's Unit N°3 is commissioned**

The Minister of Energy and Water Resources has visited the Nachtigal hydroelectric facility's construction site on the 19<sup>th</sup> of September 2024, accompanied by a strong delegation of his ministerial department and other key actors of the energy sector, including ENEO, SONATREL, ARSEL and EDC.

During the visit, which aimed to assess the Nachtigal project's progress, the Minister visited the production plant and the control room, where the final tests were carried out in real time to demonstrate the effective commissioning of Unit N°3, which has a capacity of 60MW.

#### **180MW available on the electricity grid**

Following its successful connection to the grid on the 31<sup>st</sup> of August and several weeks of tests, the confirmed commissioning of Unit N°3 brings the installed capacity of the Nachtigal hydroelectric facility to 180MW.

As a reminder, this facility has 7 units of 60MW each, and Units N°1 and N°2 were respectively commissioned on the 14<sup>th</sup> of June and the 10<sup>th</sup> of August.

To date, the project has a global completion rate of 95.9%. NHPC and its technical partners are now working on Unit N°4, whose commissioning tests have already started and the connection to the grid scheduled for early October.

Once fully commissioned in early 2025, the energy produced by Nachtigal will cover about 30% of Cameroon's electricity needs.



*The Minister of Energy and Water Resources visiting Nachtigal's control room*



*Picture of Nachtigal's control room's main screen, displaying the 3 units under production*



*Family picture in front of the transformer N°3*



## NHPC and SONATREL sign the Transmission Network Access Contract



*NHPC and SONATREL Managing Directors exchange initials*

### The transport of Nachtigal's energy guaranteed

On the 23<sup>rd</sup> of September 2024, the Managing Directors of NHPC and SONATREL signed the Transmission Network Access' Contract (CART) in the presence of the Minister of Energy and Water Resources.

This contract is part of the measures taken by the Ministry of Energy and Water Resources to ensure the efficiency and sustainability of the transmission of energy in Cameroon. Its aim is to guarantee the transmission of the energy produced by NHPC through the transmission lines network for which SONATREL is responsible.

It sets out the technical, legal and financial terms and conditions of the access of NHPC, as a producer, to the public transmission network managed by SONATREL.

### Closer partnership between NHPC and SONATREL

This is not the first contract between NHPC and SONATREL. Two other contracts already bound them in the past, namely:

- the Connection Agreement, which sets out the technical and operational conditions relating to the construction and operation of the transmission line between Nachtigal and Nyom 2 substation.
- the Dispatch Agreement, to which MINEE and ENEO are also parties, which defines the technical and operational conditions under which NHPC and SONATREL, in agreement with ENEO, must carry out the operational procedures of distribution and operate the dispatch and distribution systems of the Nachtigal hydroelectric facility's energy.





# Nachtigal, at the heart of Cameroon's sustainable development

NUMBER 208

NHPC NEWSLETTER

4 OCTOBER 2024

## NHPC creates road safety clubs in the Nachtigal project area's schools



Photos of some road safety clubs

### Road safety brigades to raise awareness in schools

As part of its Community Health Plan, NHPC has been raising awareness on road risks among the educational population in the Nachtigal project area since 2020. In order to make these awareness-raising campaigns more lasting and effective, NHPC has created road safety clubs within 10 schools in the project area.

With the support of the directors of these schools, 5 pupils and 5 teachers were selected to conduct awareness-raising sessions through sketches based on real-life situations, with the aim of limiting road accidents involving children to a minimum.

These pupils were selected on the basis of their ability to read and deliver road safety messages, under the supervision of their teachers.

### An ambitious road risk awareness program

The creation of road safety clubs and awareness raising campaigns are not the only road safety actions that NHPC is carrying out in the project area.

In addition, NHPC has recruited, trained and equipped 84 focal points with whistles, chasubles and STOP/PASS signs, to make it easier for pupils to cross the road at peak times (school entrances and exits). They work from Monday to Friday, from 6.45am to 8am in the morning and from 3pm to 4.30pm in the afternoon, except on Wednesdays when their second shift runs from 11.45am to 1pm.

As a reminder, road safety is the subject of an entire policy that NHPC implements to master road risk in the performance of its day-to-day activities.



# Nachtigal, at the heart of Cameroon's sustainable development

NUMBER 209

NHPC NEWSLETTER

9 OCTOBER 2024

## The International Monetary Fund visits Nachtigal construction site

### NHPC presents the Nachtigal project to the IMF

On a visit in Cameroon, a delegation from the International Monetary Fund (IMF) visited the Nachtigal hydroelectric facility construction site on the 5<sup>th</sup> of October 2024.

The visit included two highlights :

- a visit to NHPC's Public Information Centre, where the company (missions, shareholders, financing structure) and the Nachtigal project (industrial, environmental and social ambitions) were presented,
- a guided tour of the Nachtigal construction site led by Deputy Managing Director of NHPC, where they were able to witness the project's progress, completed at 97% at the end of September.

This visit was an opportunity for NHPC and the IMF to discuss the contribution of the Nachtigal project to Cameroon's energy sector.



*Presentation of the company and the Nachtigal project*



*Family photo in the upstream area*



*The IMF delegation in the Nachtigal control room*

### About the International Monetary Fund (IMF)

Created in 1944, the International Monetary Fund is a major financial agency of the United Nations, and an international financial institution funded by 190 member countries, including the State of Cameroon, which is one of the Nachtigal project's shareholders.

The IMF has three critical missions: furthering international monetary cooperation, encouraging the expansion of trade and economic growth, and discouraging policies that would harm prosperity.





**NHPC**  
NACHTIGAL HYDRO POWER COMPANY

**FLASH INFO**

*Nachtigal, at the heart of Cameroon's sustainable development*

NUMBER 210

NHPC NEWSLETTER

16 OCTOBER 2024

## Didier JACOB, NHPC's new Operations & Maintenance Director



Didier JACOB is NHPC's new Operations & Maintenance Director since the 1<sup>st</sup> October 2024. He has 38 rich years of experience within EDF Group, during which he has held several positions in thermal, nuclear and hydro power sectors.

Among his most significant experiences, we note his move in 2003 to Le Havre production unit, a 1450MW coal-fired thermal power station, where he worked for 6 years as Process and Depollution Engineer. He then joined the Paluel nuclear power station in Normandy in 2009 as Unit Shutdown Manager (4 x 1300MW).

In 2015, he moved to EDF Hydro Grenoble, where he was initially Head of Operational Risk Management (Health, Safety, Environment and Hydraulic Security), then Deputy Director of a hydraulic operating group (GEH) in Isère, which operates 40 plants, including the Grand Maison pumped-storage power transfer station (1800MW).

In 2020, he was appointed Head of the Production Service at EDF SEI in French Guiana, which includes all the electricity production facilities supplying the territory: HFO diesel engines, combustion turbines, generating sets and the Petit Saut dam, a 120MW facility in the tropical forest with a reservoir of 360 km<sup>2</sup> and 3.5 billion m<sup>3</sup>.

Didier has a DUT in Physical Measurements, is married and has two sons.

"I'm delighted to join NHPC and its O&M Department and to contribute in meeting the industrial commissioning challenge of this major hydraulic facility. I hope to share my experience with the department's men and women, who will tomorrow be entrusted with the operation and maintenance of this facility, which is essential for Cameroon's electric system."

Didier JACOB, NHPC Operations & Maintenance Director.

**NACHTIGAL HYDRO POWER COMPANY (NHPC)**

1067 Bis, Rue 1750-Nouvelle Route de Bastos, Yaoundé | Boite Postale 35543  
infos@nhpc.cm | Tél : (237) 691 15 83 71 | www.nhpc.cm



# Nachtigal, at the heart of Cameroon's sustainable development

NUMBER 211

NHPC NEWSLETTER

23 OCTOBER 2024

## NHPC and MINEPIA sign a partnership agreement



*Exchange of initials between the Managing Director of NHPC and the Minister of Livestock, Fisheries and Animal Industries and family picture*

### A commitment to support fishermen and fishmongers' activities and preserve biodiversity

On the 23<sup>rd</sup> of October 2024, NHPC and the Ministry of Livestock, Fisheries and Animal Industries (MINEPIA) signed a partnership agreement relating to the support of fishing and aquaculture activities in the Nachtigal project area and the monitoring of the compensation's strategy for the fish species impacted by the project.

The signing of this partnership agreement is part of NHPC's Environmental and Social Management Plan, with a focus on the restoration of people affected by the Nachtigal project's livelihood and the preservation of aquatic biodiversity. It follows the validation of the Nachtigal's fishery management plan.

Through this agreement, NHPC and MINEPIA have committed to work together in a concerted and effective way to implement all the measures and actions set out in the plan.

### About the Nachtigal's fishery management plan

Elaborated following a study and validated at the national level by MINEPIA in June 2023, the Nachtigal's fishery management plan aims to restore the livelihoods of fishermen and fishmongers affected by the Nachtigal project, and the governance of fishery resources in the reservoir created.

The plan includes, among other things, the creation of a fishing zone in the Nachtigal dam reservoir, the construction of a landing stage, the structuring and formalization of fishermen and fishmongers into fishing cooperatives, and training in fishing techniques adapted to the reservoir for fishermen who are to be resettled, and in modern fish processing techniques for fishmongers.

Its implementation started in 2024 and will benefit more than 200 people.





*Nachtigal, at the heart of Cameroon's sustainable development*

NUMBER 212

NHPC NEWSLETTER

31 OCTOBER 2024

**NHPC rewards the best students of the Nachtigal project area**



*A few images of the awards ceremony*

**63 students from 6 districts rewarded**

On the 24<sup>th</sup> of October 2024, NHPC rewarded 63 students from schools of Batchenga, Ebebda, Obala, Mbandjock, Ntui and Sa'a as part of the second edition of its school excellence program.

The ceremony took place at NHPC's Nachtigal Camp in Batchenga, in the presence of Batchenga's Mayor, the Sub-Divisional Officers of the six municipalities represented, the headmasters and directors of the schools concerned, and the students' parents.

Each laureate received the amount of 150 000 CFA francs in acknowledgement of their excellent results in the 2023/2024 academic year.

**A long-term program**

Since its creation, NHPC is committed to contribute to the local economic development of the Nachtigal project area. As education is one of the levers for this, the company has decided to launch the School Excellence Program in 2023 to promote education and stimulate young people in the project area.

*"I'm very happy to have been rewarded with this prize. I'm going to work hard to win it again next time. I also hope that it will encourage my schoolmates."*

*Student at Diligent Bilingual School, Batchenga*





# Nachtigal, at the heart of Cameroon's sustainable development

NUMBER 213

NHPC NEWSLETTER

30 OCTOBER 2024

## NHPC creates the Nachtigal Local Market

### A support for local producers and traders

As part of its social initiatives, NHPC has officially launched the Nachtigal Local Market.

This is an initiative set up by the company to support the Nachtigal project area's producers and traders by offering them a platform to market their food and artisanal products.

This local market, whose main target is NHPC's staff and people that work on the Nachtigal project, will be held in front of the Nachtigal Camp in Batchenga monthly, precisely every last Saturday of the month, to ensure its effectiveness.

### A successful first edition

The first edition of the Nachtigal Local Market took place on Saturday 24<sup>th</sup> October 2024 and was a great success.

Numerous traders from Ndji, Olembé, Balong 1, Emana Batchenga, Mebassa, Otibili, Ntui and Ebebda villages took part.

Fruit, vegetables, plantains, cassava, yams and other products were available for NHPC's employees, who came to stock up on fresh food for a healthy diet.

Through this new initiative, NHPC is strengthening its relationship with local traders and producers and reaffirming its commitment to promote local economic development in the Nachtigal project area.



*Somes pictures of the Nachtigal Local Market's first edition*





# Nachtigal, at the heart of Cameroon's sustainable development

NUMBER 214

NHPC NEWSLETTER

11 OCTOBER 2024

## Nachtigal wins 2024 AIFA's Best Energy Project Award



*NHPC's Deputy Managing Director receiving Africa Investments Forum & Awards (AIFA)'s prize*

### The Nachtigal project acknowledged and honored at the international level

On the 6<sup>th</sup> of November 2024, the Nachtigal project received the prestigious Best Energy & Natural Resources Project Award at the 7<sup>th</sup> edition of the Africa Investments Forum & Awards in Paris.

The 3 main criteria that enabled Nachtigal to stand out from the other projects nominated in this category were resilience, leadership and impact.

In the current context of climate change and energy transition, receiving such an international award is a great honor for NHPC and all the partners involved in the Nachtigal project. As a reminder, the project also received in 2019 the Project of the Year Award in the category of Multilateral Financing at the PFI Awards in London. This new award strengthens NHPC's commitment and determination to complete the project, making it a reference in Africa and worldwide.

### About the Africa Investments Forum & Awards

Each year, the Africa Investments Forum & Awards (AIFA) brings together leading economic and political decision-makers, such as public and private companies' directors, experts and institutional investors from Africa and the European Union for conferences and networking programs dedicated to the African continent's business opportunities, particularly in the energy, infrastructure and urban development sectors.

Besides the conferences, an awards ceremony is organized to honor and reward the continent's best companies and most remarkable projects over the past year. These latter are selected for their performance, as well as for their innovation and forward-thinking strategy, through a rigorous methodology involving an independent jury of 30 experts.



*Nachtigal, at the heart of Cameroon's sustainable development*

NUMBER 215

NHPC NEWSLETTER

19 NOVEMBER 2024

**Unit N°4 is now commissioned**



*A picture of the Nachtigal hydroelectric facility's control screen*



*A picture of the Nachtigal hydroelectric facility's Unit No. 4*

**240MW now available on the electricity grid**

The Nachtigal hydroelectric facility's Unit N°4 is commissioned since the 18<sup>th</sup> of November 2024.

This new milestone confirms the injection of an additional 60MW into the Southern Interconnected Grid, bringing to 240MW the power generated so far by Nachtigal.

As a reminder, the facility includes 7 Units, with a capacity of 60MW each, and the first 3 Units were respectively delivered in June, August and September 2024. When finally commissioned, Nachtigal will have an installed capacity of 420MW and will supply 30% of the Cameroon Southern Interconnected Network's electricity needs.

**Soon 300MW available**

The project is 97% complete, and works are ongoing, involving a strong mobilization of teams on the commissioning of the 3 remaining Units.

Unit N°5 entered the commissioning phase at the beginning of November, and its first turns of runner took place on the 15<sup>th</sup> of November. Tests will continue throughout November, with delivery scheduled for December.

Units N°6 and N°7 are also well on the way to completion, and NHPC's objective remains to deliver all the Units by the beginning of 2025, thereby improving the supply of electricity in Cameroon with green, available and competitive energy.





# *Nachtigal, at the heart of Cameroon's sustainable development*

NUMBER 216

NHPC NEWSLETTER

21 NOVEMBER 2024

## **NHPC offers commercial shops to the Ntui municipality**

### **Shops to extend and modernize the central local market**

As part of its local economic development support to the Nachtigal project area's municipalities, NHPC funded the construction of 20 shops worth more than 47 millions CFA francs in the Ntui district's central market. These shops were handed over to the Mayor of Ntui and inaugurated on the 20<sup>th</sup> of November 2024 during a solemn ceremony attended by NHPC's Environmental and Social Director.

The aim of this action is to modernize the local market by providing better reception and safety conditions for traders on the one hand, and to extend the tax base and improve the mobilization of municipal income in the Ntui commune on the other. It is one of NHPC's commitments in the partnership agreements signed with the municipality of Ntui between 2020 and 2024, which provide a framework for NHPC's activities in the Ntui district.

### **Several other infrastructures built**

NHPC has made a number of social investments in the Ntui district over the past years. Among the most important are the construction of a community center in Bindandjengué, five boreholes in Bindandjengué, Ndowé and Ombandéné, a water tower at the Ntui district hospital, the construction and equipment of an administrative building at the Ombandéné primary school and a clothing workshop at Ntui's RA/HEC. Through these, NHPC expects to make a sustainable contribution to the socio-economic development of the Ntui district.



*Picture of the newly built shops*



*Handover of the shops' keys to the mayor of Ntui*

"The Nachtigal project's support for the local development of neighbouring municipalities is now more meaningful than ever with these 20 shops, which not only support the modernization of Ntui's central market, but also help to expand the tax base of our council, which is in desperate need of financial resources to enable its economy to develop effectively".

*MANDOH Georges Marcel, Mayor of the commune of Ntui*



**NHPC**  
NACHTIGAL HYDRO POWER COMPANY

**FLASH INFO**

*Nachtigal, at the heart of Cameroon's sustainable development*

NUMBER 217

NHPC NEWSLETTER

5 DECEMBER 2024

## NHPC and the Investment Promotion Agency (IPA) strengthen their partnership



*Photos of the addendum signing ceremony*

### One more year of collaboration

On the 4<sup>th</sup> of December 2024, NHPC and the Investment Promotion Agency (IPA) signed a second addendum to the framework agreement setting out the incentives granted by the State of Cameroon to the Nachtigal project.

The addendum, which will take effect on the 1<sup>st</sup> of February 2025 extends for a further year all the fiscal-customs incentives and administrative facilities granted to the Nachtigal project under Law n° 2013/004 of the 18<sup>th</sup> of April 2013 laying down incentives for private investment in the Republic of Cameroon, amended and supplemented by Law n°2017/015 of the 12<sup>th</sup> of July 2017.

It strengthens NHPC and IPA's long and fruitful collaboration, which started with an initial agreement signed on the 26<sup>th</sup> July 2017.

### Tax and customs benefits for Nachtigal

This second addendum comes at the right time during the transition period between the end of the construction phase, now completed at 97% , and the start of the operating phase. It will enable NHPC to continue to benefit from tax and customs advantages relating to parts, equipment and materials imports for the completion of construction works and operations.

### About IPA

The Investment Promotion Agency is the one-stop-shop for private investments in Cameroon. Its mission, in collaboration with other public and private administrations and institutions, is to contribute to the development and implementation of the government's investment promotion policy in Cameroon.

**NACHTIGAL HYDRO POWER COMPANY (NHPC)**

1067 Bis, Rue 1750-Nouvelle Route de Bastos, Yaoundé | Boite Postale 35543  
infos@nhpc.cm | Tél : (237) 691 15 83 71 | www.nhpc.cm





# Nachtigal, at the heart of Cameroon's sustainable development

NUMBER 218

NHPC NEWSLETTER

6 DECEMBER 2024

## Nachtigal and Mainstream Energy Solutions Limited: A Valuable exchange

### Sharing insights and best practices in hydropower development

On December 4, 2024, NHPC welcomed a delegation from Mainstream Energy Solutions Limited, a key operator of hydropower plants in Nigeria, accompanied by representatives from the Ministry of Energy and Water Resources, for a site visit of the Nachtigal project and an experience-sharing session.

This visit, attended by the managing directors of both NHPC and Mainstream Energy Solutions, was structured in two parts:

- general Presentation of the Nachtigal Project: NHPC teams shared their expertise on the industrial, environmental, and social aspects of the project, as well as the measures implemented for hydraulic safety and the health and safety management.
- site Visit: The delegation explored two key areas of the facility: the upstream works and the plant. This provided a valuable opportunity for an in-depth technical dialogue between the two parties.

This exchange enriched both parties' perspectives, fostering constructive discussions around the challenges and best practices in hydropower infrastructures development.

Mainstream Energy gained detailed insights into the operational model and innovations implemented in the Nachtigal project, while NHPC benefited from the delegation's feedback, leveraging their extensive expertise from similar projects in Nigeria.

Such collaborations strengthen ties among key players in the energy sector and advance a shared vision for sustainable and responsible hydropower development across the African continent.



*Family picture in front of the main dam*



*The Managing Directors of NHPC and Mainstream Energy Solutions*

### About Mainstream Energy Solutions Limited

Mainstream Energy Solutions Limited is Nigeria's leading operator of hydropower plants. The company manages two of the country's largest facilities, Kainji and Jebba, with a combined installed capacity exceeding 1,300 MW.

Committed to sustainable development, Mainstream Energy plays a pivotal role in increasing Nigeria's energy capacity while adopting environmentally friendly practices. The company is recognized for its technical expertise and dedication to delivering reliable and sustainable energy solutions.



# Nachtigal, at the heart of Cameroon's sustainable development

NUMBER 219

NHPC NEWSLETTER

10 DECEMBER 2024

## The French Development Agency visits Nachtigal construction site



*Photo of the site visit*

### An immersion at the heart of the Nachtigal project

On the 10<sup>th</sup> of December 2024, NHPC welcomed a delegation from the French Development Agency (AFD) on the Nachtigal hydroelectric facility site.

After a presentation of the Nachtigal project, the AFD delegation took a guided tour led by NHPC's Managing Director to witness the Nachtigal project progress, which was 97% complete at the end of October. This immersion on site enabled NHPC to highlight the project's hydraulic safety component and its environmental and social achievements.

This visit of AFD which is one of Nachtigal's major lenders, was a rich moment of discussions where the role of the Nachtigal project in the development of Cameroon's energy sector was fully highlighted.

### AFD Group: a key partner in the Nachtigal project

The French Development Agency Group is a public and social financial institution that finances, supports and accelerates the transition to a fairer and more sustainable world. Its teams carry out more than 4,200 high social and environmental impact projects worldwide, including the Nachtigal project funded at €150 million, of which €90 million is provided by AFD and €60 million by PROPARGO.

The Nachtigal project is funded by a pool of major international development finance institutions and local banks, at a total cost of €1,205 million.





# Nachtigal, at the heart of Cameroon's sustainable development

NUMBER 220

NHPC NEWSLETTER

18 DECEMBER 2024

## Nachtigal's labor camp handed over to the Ministry of Defence

### NHPC, discussions facilitator between MINDEF, CCN and Elecnor

On the 18<sup>th</sup> of December 2024, the Minister of Defence signed protocols with the Directors of CCN and Elecnor, NHPC's co-contractors respectively in charge of the Nachtigal project's civil engineering and electromechanical works, for the handover of infrastructures and equipment of their base camps on the project site to the Ministry of Defence (MINDEF).

The signing of these protocols comes in a context of completion of works on the Nachtigal site, which is 98% complete, and the demobilization of both human and material resource.

The ceremony took place in the presence of the Deputy Managing Director of NHPC, in his role of chairman of the working group responsible of the examination of the above-mentioned bases retrocession modalities. The working group was made up of teams from MINDEF, CCN, Elecnor, Ministry of Energy and Water Resources, Ministry of State Property, Surveys and Land Tenure and NHPC, as the project owner, which facilitated discussions between MINDEF, CCN and Elecnor.



*Exchange of initials between the Minister and CCN and Elecnor Directors*



*Family photo*

### Improvement of Nachtigal hydroelectric facility's security

Covering 94ha, the Nachtigal project's labor camp includes accommodation, a medical center, a fire station, restaurants, sports facilities, and CCN and Elecnor offices.

The installation of the Ministry of Defence's teams in this area will help to improve the security of the Nachtigal hydroelectric facility.



*Aerial view of the labor camp*





# Nachtigal, at the heart of Cameroon's sustainable development

NUMBER 221

NHPC NEWSLETTER

20 DECEMBER 2024

## NHPC offers a medical ambulance to the Obala district hospital

### Improving health care in the Nachtigal project area

On the 19<sup>th</sup> of December 2024, NHPC offered a medical ambulance and medical materials and equipment to the Obala district hospital during a ceremony chaired by NHPC's Environmental and Social Director.

The donation will contribute to improve the technical facilities of health infrastructure in the Nachtigal project area. It follows the handover in 2021 of the hospital's emergency service, built and equipped by NHPC to support local communities healthcare.

This action reflects NHPC's commitment to help the improvement of living conditions of the Nachtigal project area people and is part of the partnership agreement signed between NHPC and the Ministry of Public Health on the 4<sup>th</sup> of May 2018.

« I thank NHPC for this donation, which will be very useful to the Obala district hospital and will enable us to treat our patients more effectively. I am very pleased with the quality of the equipment, as it is brand new and includes health equipment and materials that our hospital did not have before. »

**BOUTING MAYAKA Georges, Obala District Hospital's Director**



*Signing of the ambulance handover agreement*



*View of the inside of the ambulance*



*Family picture of the ceremony*





*Nachtigal, at the heart of Cameroon's sustainable development*

NUMBER 222

NHPC NEWSLETTER

31 DECEMBER 2024

**300MW now available on the Southern Interconnected Grid**



*Photo of the Nachtigal hydroelectric facility' control screen*

**Additional 60MW injected into the Southern Interconnected Grid**

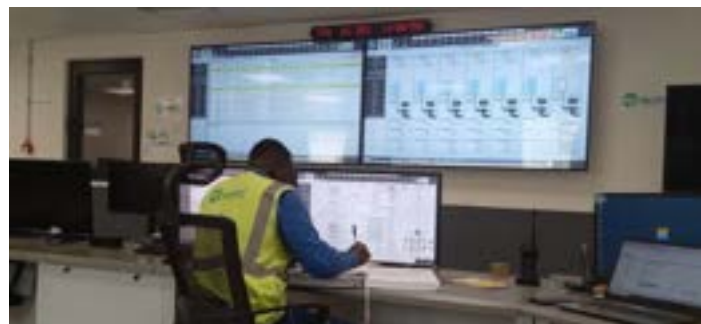
Since the 23<sup>rd</sup> of December 2024, the Nachtigal hydroelectric facility's Unit N°5 has been commissioned, adding an additional 60MW to the Southern Interconnected Grid and bringing the power currently produced to 300MW.

The commissioning of Unit N°5 illustrates the concrete progress of the Nachtigal project, which was 98% complete at the end of November. Units N°6 and N°7 are progressing well, with the connection of unit N°6 to the Southern Interconnected Grid on the 26<sup>th</sup> of December.

NHPC is committed to deliver the entire Nachtigal hydropower facility by early 2025 to ensure Cameroon has an available and competitive supply of green electricity.



*View of the 5 Nachtigal units commissioned*



*Picture of the Nachtigal control room*



# Nachtigal, at the heart of Cameroon's sustainable development

## NHPC offers school equipment to the Mendouh-Mindja parents' school



*Pictures of the donation and the donation ceremony*

### Teaching conditions improved on Mpem and Djim National Park periphery

On the 11<sup>th</sup> of December 2024, NHPC handed over school equipment including 50 desks, 6 blackboards, 3 desks and 3 chairs for teachers, as well as various teaching materials to the Mendouh-Mindja parents' school, located in the surroundings of the Mpem and Djim National Park, a distant compensation site for the Nachtigal project.

The ceremony was attended by NHPC's Offset Manager, the technical assistance to the Park's conservation department, the school headmaster and the Park's conservator.

The donation aims to improve teaching conditions in the Park area and is part of NHPC's efforts to support the Park's local communities.

### Sustainable support for Mpem and Djim National Park protection

To offset the impacts of the Nachtigal project on aquatic and land environments, NHPC has chosen the Mpem and Djim National Park and is implementing a support program there, in partnership with the Ministry of Forests and Wildlife (MINFOF), in accordance with the memorandum of understanding signed between the two entities since September 2018.

This program, which is part of the Nachtigal project's Biodiversity Action Plan, aims to preserve the Park's biodiversity and improve the local communities' quality of life. The actions already carried out since the start of the program include the training of eco-guards, the establishment of regular anti-poaching and anti-deforestation patrols, etc.



A bright and happy new year

2  25



*Nachtigal*, at the heart of Cameroon's sustainable development...

Nachtigal Hydro Power Company (NHPC)  
Société Anonyme avec Conseil d'Administration au capital de 28 536 000 000 Francs CFA  
Siège social 1067 Bis, Rue 1750 Nouvelle Route de Bastos, Yaoundé (Cameroun)  
Boite Postale 35 543 Yaoundé, enregistrée au RCCM RC/YAO/2016/B/715  
[www.nhpc.cm](http://www.nhpc.cm)