



CASE STUDY

# **Ways to Increase Productivity and Attract New Clients via Stable Connection**

# Discover how W National Park African Parks Network managed to increase productivity and better manage workflow with stable connection

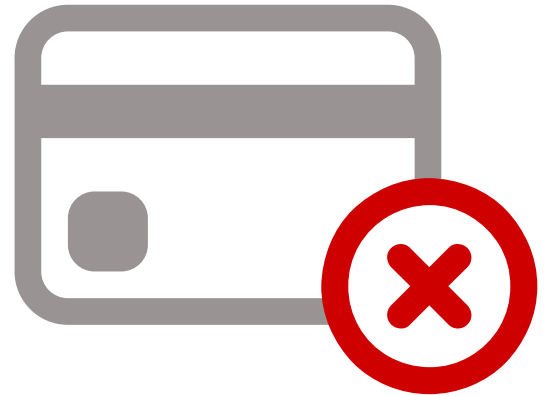
At the beginning of 2020, W National Park African Parks Network in Bénin approached Nikrans Company with a request to improve their mobile connectivity.

*African Parks is a non-profit conservation organization that takes on the complete responsibility for the rehabilitation and long-term management of national parks in partnership with governments and local communities. They currently manage 22 national parks and protected areas in 12 countries covering over 20 million hectares in: Angola, Benin, Central African Republic, Chad, the Democratic Republic of Congo, Malawi, Mozambique, the Republic of Congo, Rwanda, South Sudan, Zambia and Zimbabwe.*



One of the key problems that W National Park African Parks Network encountered was the instability of their internet connectivity, which **severely impacted the ability to accept card payments**. This hindrance resulted in an untapped potential for revenue generation, as tourists were unable to make electronic payments for services rendered.

However, with the implementation of reliable cellular connectivity solutions by Nikrans, the company experienced a significant boost in revenue.



## Existing problems

Weak signal both inside and outside the offices scattered throughout the park led to the following problems:

- decreased productivity;
- imperfect workflow;
- coordination issues
- delayed decision-making;
- reduced operational efficiency.

With different router models and a variety of employee smartphones ranging from outdated models to the latest iPhones and Androids, the client was concerned about signal amplification and coverage across all frequency ranges.

Inadequate communication between various parks and offices **decreased productivity** and had a negative impact on the workflow. Coordination of staff tasks was an arduous process. **Lack of reliable connectivity** hindered the flow of information, resulting in delayed decision-making and decreased operational efficiency. Critical communication for resolving work-related issues, conducting briefings, and coordinating tasks was impeded, **impacting the overall productivity** of the organization.

## Offered solution

The current situation and all the details of the client's request were carefully studied. In the end the use of the **Nikrans LCD-500GDW** signal booster was suggested for the offices of W National Park African Parks Network to enhance voice calls and internet connectivity for 4G modems. Nikrans experts recommended replacing the regular antennas with powerful receiving antennas (12 dbi yagi outdoor antennas) along with low-loss signal cables.



## Nikrans LCD-500GDW



Coverage: 500 m<sup>2</sup>

Up-link freq: 890-915MHz, 1710-1785MHz, 1920-1980MHz

Down-link freq: 935-960MHz, 1805-1880MHz, 2110-2170MHz

Up-link Gain: 65 dB

Down-link Gain: 70 dB

Power Output: 15 dBm

Working temperature: -25/+55 °C

Working humidity: 5 - 95%

IP-Code: IP40

Size: 204×164×44 mm

Booster Weight: 1.2 kg

Power supply: Input: AC90~264V, Output: DC5V/2A

Energy Consumption: 0.03 kW/h

Model Year: 2023

## Result

The result was remarkable — the client's employees tested the booster and couldn't believe the changes. The coverage inside the offices became **stable and uninterrupted**. The mobile phone signal booster improved signal equally well for all smartphones. Voice communication as well as the Internet connection became **significantly enhanced**.

*By enabling card payment options, the company witnessed a remarkable 13.75% increase in overall revenue.*

↑ **13.75%**

This improvement not only facilitated seamless transactions for visitors but also enhanced customer satisfaction. The ability to accept card payments **attracted more tourists** and fostered greater trust among international clients, ultimately leading to **increased revenue streams** for the organization.

The refined connectivity allowed for **seamless interaction** between parks and offices, enabling swift resolution of tasks and **ensuring effective coordination** across the organization. The boosted communication network not only improved the efficiency of daily operations but also fostered a more **collaborative and productive work** environment.

Impressed by the positive impact of the first Nikrans device, African Parks Network wasted no time in acquiring additional **four Nikrans LCD-1000GDW units** to extend this enhanced connectivity to different buildings located throughout the park. This helped enhance cellular connectivity within diverse buildings across the park. Reliable communication infrastructure created a better basis for **effective monitoring and management**.

By ensuring seamless connectivity, the organization can better coordinate conservation efforts, respond swiftly to emergencies, and support scientific research within W National Park.

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The purchase of the Nikrans signal boosters proved to be a **game-changer** for African Parks Network. The devices' ability to amplify cell signals across various frequencies, including GSM, 3G, and 4G/LTE, resulted in **significantly improved coverage and boosted data speeds** within the park premises. This breakthrough not only facilitated efficient communication channels for park rangers but also enabled the **exchange of critical data** such as real-time animal tracking, remote camera monitoring, and conservation research findings.

W National Park African Parks Network remains satisfied with the service delivered and continues to utilize Nikrans equipment to this day.

Nikrans prides itself on always offering advantageous and efficient solutions. The investment in equipment to strengthen cellular connectivity has proven to be a game-changer for W National Park African Parks Network. From overcoming payment issues and boosting revenue to enabling efficient communication and enhancing operational efficiency, the positive impact has been evident across all areas of the business.

W National Park African Parks Network's representative shared their opinion on the cooperation.

*"The difference is astounding!"*

*Before Nikrans stepped in, we constantly had to deal with interrupted calls and unreliable internet connections. It was not only inconvenient but also affected our work.*

*Now, thanks to Nikrans, we can finally enjoy stable and uninterrupted communication, which has a direct positive impact on our productivity and overall satisfaction."*

Nikrans representative, Julia Dav, expressed her satisfaction with the collaboration with African Parks. She said,

*"Working with African Parks has been truly rewarding for us.*

*We are grateful for the opportunity to contribute to the development of the region by providing reliable mobile communication services. It has been an interesting experience, and we are thrilled to witness how our efforts have made a substantial difference.*

*We are proud to know that the residents and visitors of this area can now experience seamless connectivity."*

# How can *you* use Nikrans signal boosters?

Weak signal strength within the office premises can create certain obstacles for business. This could be due to various factors such as building materials, distance from the nearest mobile tower, or interference from other electronic devices. Consequently, dropped calls, slow internet speeds, and disrupted data transfers become regular hindrances to efficient work.

A signal booster efficiently resolves connection issues and helps increase signal level. By amplifying the existing cellular signals, a signal booster enhances network coverage and strength, thereby eliminating the frustrations caused by poor signal quality. Not only does it provide a more stable and reliable mobile connection, but it also improves voice call clarity and internet speed.

Multi band boosters allow amplifying signals in 2-3-4-5-6 frequency ranges at a time, making it possible to improve GSM+4G, 4G+5G+GSM or other combination of bands.

Total Products Available: **95**

Working Frequencies: **800, 900, 1800, 2100, 2600 MHz**

Available Coverages: **Vehicle/Marine, 300, 500, 800, 1000, 1200, 2000, 3000 m<sup>2</sup>**

-  Partners in 12 countries
-  4 partner factories
-  Warehouses in EU and UK
-  Languages spoken:  
English, Italian, Spanish, French, Polish, German
-  Local presence:  
Hong Kong, Cyprus, Poland, Gibraltar

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