VERTIV™

Case study

Paratus Namibia launches first private mobile network in Namibia with Vertiv

Background

Based in Windhoek, Paratus Namibia has achieved a significant milestone by launching Namibia's first private mobile network with LTE and 5G technologies. As part of the largest privately owned pan-African network operator, this achievement reinforces the company's commitment as a long-term investor in Africa's digital future.

Challenge

To support its transformation into a fully-fledged mobile telecom operator, Paratus Namibia needed to invest in both a data centre design that could house racks, power and cooling infrastructure, and in outdoor and indoor DC power systems for radio equipment across its network rollout.

The project had to overcome several challenges, including:

- The conversion of a small space, originally used as a storage room, into a telecom data centre;
- Urgent timelines to launch Paratus Namibia's mobile services;
- A requirement for modular uninterruptible power supply (UPS) capacity and scalability;
- The need for reliable redundancy in power and cooling.

Company profile:

Paratus Group delivers ICT network solutions, fibre and satellite connectivity across Africa and globally.

Industry: Telecommunications.

Region: Namibia, Africa.

Solution

Working closely with local partner ISF, who managed the commissioning and UPS/battery layout, Vertiv supplied:

- **Vertiv™ Liebert® PDX** direct expansion cooling solution with variable speed compressors;

- **Vertiv™ Liebert® APM Plus 250 kVA UPS** with lithium-ion batteries;

- **Vertiv™ PowerIT** monitored rack power distribution units (rPDUs);

- **Vertiv™ NetSure™ 7100** converged AC inverter and DC rectifier power system with battery backup for indoor and outdoor sites.

To meet critical launch deadlines, ISF and Vertiv expedited temporary battery shipments, enabling the network to go live on schedule while permanent batteries were in transit. This proactive approach, combined with technical precision and resource flexibility, demonstrated commitment to project success and customer satisfaction.

Results

- **Connectivity delivered:** Complete ecosystem with VoLTE, Wi-Fi calling, LTE, 5G, fibre, and Sky-Fi wireless.

- **Unified solutions:** Integrated data centre supports mobile, home, and business connectivity.

- **Built for reliability:** N+N redundancy provides high availability and scalability.

- **Optimised performance:** Advanced power and cooling systems maintain consistent network operation.

- **Proactive maintenance:** Real-time monitoring reduces risks and prevents issues.

- **Downtime mitigation:** Redundant infrastructure minimises service interruptions.

- **Stronger partnership:** Collaboration with ISF combines global expertise and local responsiveness.

"Our vision has always been to build our own infrastructure as the foundation for long-term growth. With Vertiv and ISF, organisations where we have long-standing trust, we were able to overcome space constraints, aggressive timelines and complex technical requirements to roll out scalable, redundant, market-leading solutions, backed with added technical capabilities. The execution of this project was extremely smooth - when something works and there are no issues, it almost disappears from your radar - which is exactly how it should be."

— Gert Duvenhage,
Group Chief Operations Officer (COO), Paratus Group