**NEWS ARTICLE**

Zutari completes MEP upgrade for Africa Data Centre’s Cape Town 1 expansion

**10 October 2024:** Leading consulting engineering and infrastructure advisory practice [Zutari](http://www.zutari.com) has completed the mechanical, electrical, and plumbing upgrade for the 6 MW capacity expansion at the Cape Town 1 (CPT1) facility of [Africa Data Centres](https://www.africadatacentres.com/).

The fast-track project posed a challenge in that it was a Brownfield site with existing structures. “We had to work around the existing live facility. We used 3D modelling and had to explore the use of existing underground tunnels, to aid in drainage under the existing building.”

These tunnels were evaluated for reticulation of electrical cables and drainage. It was a live facility, so there were many procedures we had to follow,” outlines **Stan Rudman**, Technical Director, Mechanical Engineering. “We also completed the first fan wall cooling unit installation, which was a first for the client,” says Rudman, adding that the facility is currently fully operational.

Looking at some current trends in data centre design, Rudman points to higher temperatures, lower water usage, increased load density, and future fit-out for liquid cooling technologies. These are all aimed at improving efficiency, he says.

The latest expansion at Africa Data Centres, a long-standing client of Zutari, has added 1 000 racks of white space available for customers to lease. The expansion added three state-of-the-art halls and another 6 MW of critical IT load, effectively doubling the facility’s capacity. It included two colocation halls and a hyperscale hall built using a cutting-edge modular design for rapid scalability.

***Ends***

**Notes to the Editor**To download hi-res images for this news article, please visit <http://media.ngage.co.za> and click the Zutari link to view the company's press office.

**About Zutari**

As an infrastructure, engineering and advisory practice, we believe infrastructure has unparalleled potential to create enduring impact. Never more relevant, this potential can be realised only if we plan, design, deliver and manage infrastructure in ways that maximise its value. Our work in water, transport, energy, resources, and built-environment infrastructure does just this – helping to nurture thriving communities, growing economies, and healthy environments.

At Zutari we understand that radical impact doesn't just happen; it requires more of us to connect differently, work smarter, and stay rooted.

**We connect differently**. Our broad collective of in-house experts connects across traditional disciplines to provide integrated results. We collaborate with clients, partners, and end-users, leaning into diverse perspectives to create superior solutions – together.

**We work smarter**. Our people lead the industry. We draw from deep technical skills, accrued over decades, and embrace the transformative power of digital technology to find simpler, better, and more innovative ways to deliver value.

**We stay rooted**. Few can rival our local capacity and understanding. Building on solid foundations, now 90 years in the making, we are trusted to shape locally relevant solutions through our extensive footprint in Africa and the Middle East.

At Zutari our people connect differently, work smarter, and stay rooted. Working in this way, we reliably deliver impact through infrastructure, making the world a better place – one project at a time.

**Zutari Contact**

Charmaine Achour

Senior Consultant: Digital Communication

Zutari

Email: charmaine.achour@zutari.com

Tel: (012) 427 2000

Web: <https://www.zutari.com>

**Media Contact**

Rachel Mekgwe

Senior Account Executive

NGAGE Public Relations

Phone: (011) 867 7763

Cell: 074 212 1422

Email: [rachel@ngage.co.za](mailto:rachel@ngage.co.za)

Web: [www.ngage.co.za](http://www.ngage.co.za/)

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