

ingenium

Consulting Engineers PTY Ltd

Company Profile



Between Practice and Theory Lies Perfection

www.ingeniumengineers.co.za





About Us

2010



Founded by
Adele van der Walt
INGENIUM
ENGINEERS CC

2021



Co Founder
Yusuf Suder joins team
INGENIUM CONSULTING
ENGINEERS (PTY) LTD

TODAY



We are ready for
the future and
committed to
growing.



Ingenium Consulting Engineers are committed to delivering excellence in Mechanical and Electrical Engineering, offering innovative and sustainable solutions for infrastructure and building projects. Our expertise includes Heating, Ventilation, and Air Conditioning (HVAC) systems, Building Management Systems, Bulk Water Distribution, Fire Protection, Electrical solutions, other Mechanical Services and Alternative Energy.



We are committed to sustainability, energy efficiency, and bespoke solutions, ensuring you receive cost-effective, reliable, and future-proof solutions. Our process includes a thorough needs analysis, collaborations with stakeholders, modular designs for scalability, and strategies to maintain operations seamlessly during upgrades.



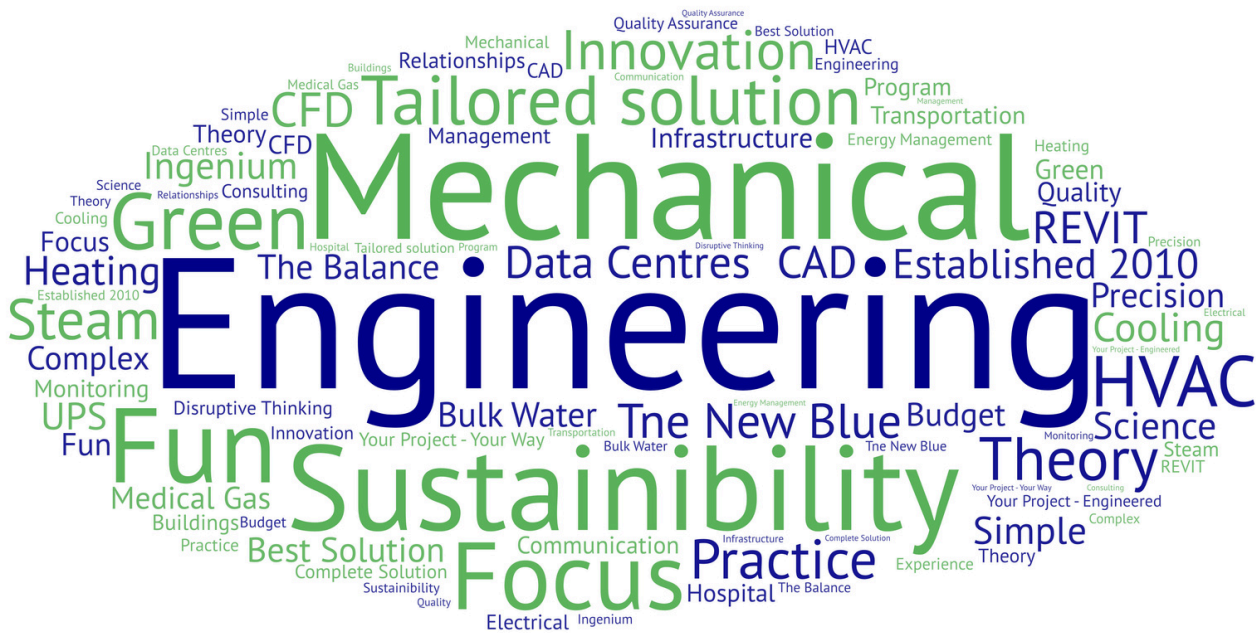
Our shared vision is to create a consulting company that prioritizes personalised service and innovative engineering solutions tailored to your needs.

Ingenium's Engineers have served the public and private sectors, including developers, building owners, companies, municipalities and state owned enterprises since 1996.

Our services are applicable to offices, factories, hospitals, data centres, and any commercial or industrial infrastructure or buildings.



Why Choose Us?



Choosing Ingenium means partnering with a team that balances your financial and operational needs while delivering innovative, sustainable, and tailored engineering solutions.

We take the time to understand your requirements, ensuring our designs align with your vision and long-term goals. Our expertise in energy conservation and alternative energy helps reduce costs and minimize environmental impact without compromising efficiency.

"At Ingenium, we believe in integrity, collaboration, and continuous improvement. You're not just hiring an engineering firm—you're gaining a trusted partner committed to your long-term success."

With a strong track record across various industries, we bring years of experience, cutting-edge technology, and a client-focused approach to every project.

From commercial buildings to data centres, we handle simple and complex engineering challenges with precision, offering a comprehensive range of mechanical and electrical services that simplify project management.



Our Vision

To continuously evolve as an engineering company by applying applied science within realistic economic frameworks, ensuring long-term success for you, our team and the environment.



Our Mission

We exist to create value. Whether through sustainable solutions, innovative design, or expert problem-solving, we aim to deliver projects that stand the test of time and make a positive impact on the world.



Our Values

$$\text{Ingenium} = f\left(\int_i^{\infty} R_i + |T \cap I| + P^{\infty} + \sum_0^{\infty} L_i + Rd + e^{col}\right)$$

Where the symbols denote...

R = Building Relationships with all stakeholders.

T = Truth on a Technical Level.

I = Integrity on an Ethical Level.

P = Passion! We cannot hide our passion for what we do!

L = Continuous Learning – We evolve by learning and experience.

Rd = Results Driven – Your Goals drive our solutions.

Col = Collaboration – We are better together.

Innovate. Engineer. Sustain.



Ingenium specialises in mechanical and electrical engineering across various sectors.
Our offerings include:

Building Services



HVAC Solutions

Whatever you want to heat up or cool down, We can help!



Building Management Systems

You control what you measure!
We understand!



Understanding Energy

Using less Energy is what we want to help you with!



Medical Gas and Hospital Systems

We have a track record of mechanical services in public and private Hospitals.



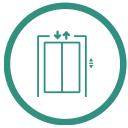
Data Centres

We completed more than 200MW of cooling systems for Mission Critical Data Centres.



Sustainable Engineering

We implement Integrate energy-efficient technologies & waste reduction as standard!



Elevators

We can help you find the right Elevators, Escalators and Cranes to do your heavy lifting.



Fire Protection Systems

Sprinklers, Gas protection, detection, .Fire Rationals - We value life and take special care when designing fire safety systems.



Energy Regain Systems

Harvest Waste energy and transform to Useful energy



Master Planning

Balancing Opex and Capex to suite your needs!



Water Infrastructure

Our expertise covers municipal and regional water supply systems, wastewater management, and water conservation solutions.

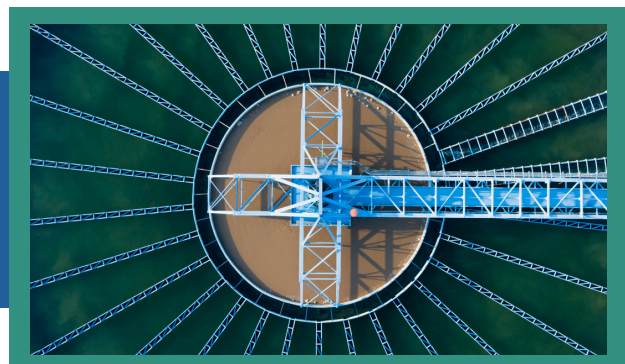
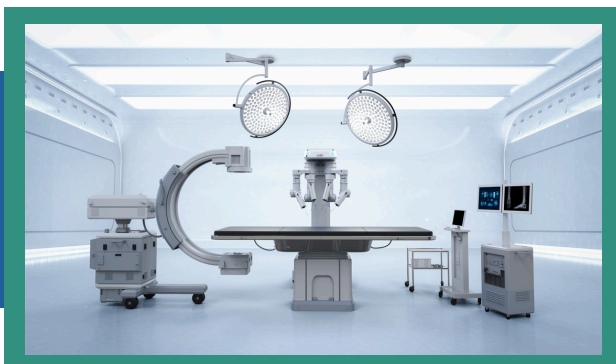


Steam Services

We are old enough to know how steam works!

No project is too simple or complex. If you have an engineering challenge, let's solve it together.

Infrastructure





Meet Our Leadership

Yusuf Suder Mechanical Engineer

Yusuf holds a BSc in Mechanical Engineering and a Postgraduate Diploma from the University of Witwatersrand. He specialises in high-efficiency mechanical systems, sustainable solutions, and complex infrastructure projects. With extensive experience in HVAC, energy management, and large-scale engineering projects, Yusuf has been instrumental in designing and implementing cutting-edge solutions for industries such as telecommunications, banking, and manufacturing.

He is in the process of registering as a professional engineer and a member of SAIMEchE, SAIRAC, and GBCSA. Beyond his technical expertise, Yusuf's leadership ensures that Ingenium stays at the forefront of engineering innovation while fostering a client-focused culture that values integrity and collaboration.

Adéle van der Walt *Professional Mechanical Engineer*



Adéle holds a Mechanical Engineering degree from Potchefstroom University and a MBA from North West University. As a Certified Energy Manager (AEE) and a registered Professional Engineer (ECSA), she brings over a decade of expertise in mechanical engineering, energy efficiency, and sustainable design.

Adéle has led numerous high-profile projects across various sectors, including healthcare, commercial real estate, and industrial facilities. Her leadership philosophy is rooted in excellence, problem-solving, and long-term impact, driving Ingenium's commitment to high-performance engineering solutions that not only meet today's needs but also anticipate future challenges.



Corporate Social Responsibility Initiatives

We proudly support the Al Imdaad Foundation and Christelik Maatskaplike Raad (CMR), organisations focused on humanitarian aid, education, and community welfare. Giving back is an integral part of who we are.




Going Green


Sustainability isn't just a buzzword for us—it's the foundation of our work. As Green Star Accredited Professionals and Certified Energy Managers, we integrate eco-friendly solutions into every project. From energy-efficient HVAC systems to alternative power solutions, we help you reduce your carbon footprint while optimizing efficiency.


Beyond our projects, we practice what we preach. Ingenium has decarbonised our energy consumption by 80% and implemented waste reduction initiatives, digital workflows, and environmental awareness programs among our team. We believe even small actions contribute to a greener future.





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Company Registration Number: 2021/483727/07

Tax Reference Number: 9813009181

VAT Number: 4480317413

Workmens Compensation Registration Number:

990001342148

B-BBEE Level: 2

Smart Engineering For a Sustainable Future.

